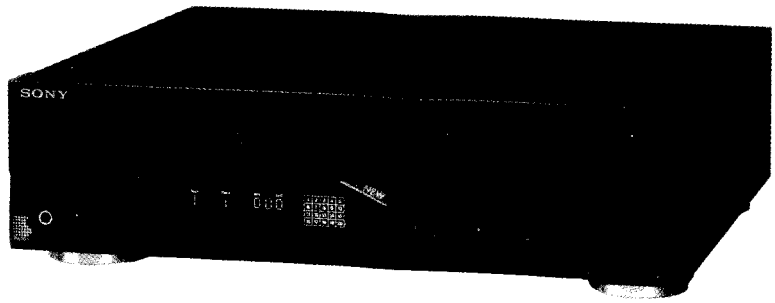
CDP-X333ES

SERVICE MANUAL

Canadian Model
AEP Model
UK Model



SPECIFICATIONS

Compact disc player

Frequency response	2 Hz – 20 kHz ±0.3 dB
Signal to noise ratio	More than 115 dB
Dynamic range	More than 100 dB
Harmonic distortion	Less than 0.0018%
Channel separation	More than 110 dB

Outputs

LINE OUT (FIXED) (phono jacks)	Output level 2 V (at 50 kiloohms) Load impedance over 10 kiloohms
LINE OUT (VARIABLE) (phone jacks)	Output level max. 2 V (at 50 kiloohms) Load impedance over 50 kiloohms
DIGITAL OUT (OPTICAL) (optical output connector)	Wave length 660 nm Output level –18 dBm
HEADPHONES (Stereo phone jack)	Output level max. 28 mW Load impedance 32 ohms

General

Power requirements	AEP model: 220–230V AC, 50/60Hz UK model: 240V AC, 50/60Hz Canadian model: 120V AC, 60Hz

Model Name Using Similar Mechanism	CDP-X555ES
CD Transport Mechanism Type	CDM11H-6C
Optical Pick-Up Block Type	BU-6C

Power consumption	23 W
Dimensions (approx., including projections)	430×125×375 mm (w/h/d) (17×5×14 $^{7}/_{8}$ inches)
Weight (approx.)	10.7 kg (23 lbs 10 oz) Model for other countries 11 kg (24 lbs 5 oz)

Remote commander RM-D991

Remote control system	Infrared control
Power requirements	3 V DC with two batteries size AA (IEC designation R6)
Dimensions	62×18×175 mm (w/h/d) (2 $^{1}/_{2}$×$^{23}/_{32}$×7 inches)
Weight	130 g (4.6 oz) Including batteries

Supplied accessories

Connecting cord	1 (2 phono plugs ↔ 2 phono plugs)
Remote commander	1
R6 (size AA) batteries	2

Design and specifications subject to change without notice.

MICROFILM

COMPACT DISC PLAYER

SONY®

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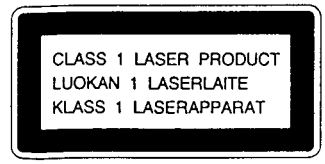
SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

For the European Countries



This Compact Disc player is classified as a CLASS 1 LASER Product.
The CLASS 1 LASER PRODUCT label is located on the rear exterior.

NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

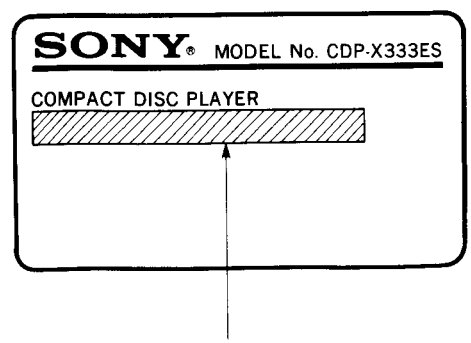
The laser diode in the optical pick-up block may suffer electrostatic breakdown because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.
During repair, pay attention to electrostatic breakdown and also use the procedure in the printed matter which is included in the repair parts.
The flexible board is easily damaged and should be handled with care.

NOTES ON LASER DIODE EMISSION CHECK

The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe from more than 30cm away from the objective lens.

MODEL IDENTIFICATION

—Model Number Label—



Canadian Model : AC: 120V 60Hz 23W
AEP Model : AC: 220−230V~50/60Hz
UK Model : AC: 240V~50/60Hz

PROTECTION OF EYES FROM LASER BEAM DURING SERVICING

This set employs a laser. Therefore, be sure to follow carefully the instructions below when servicing.

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

1. Laser Diode Properties
   - Material: GaAlAs
   - Wavelength: 780 mm
   - Emission Duration: continuous
   - Laser Output Power: less than 44.6 μW*
     * This output is the value measured at a distance of 200 mm from the objective lens surface on the Optical Pick-up Block.

2. During service, do not take the Optical Pick-up Block apart, and do not adjust the APC circuit. If there is a breakdown in the APC circuit (including laser diode), replace the entire Optical Pick-up Block (including APC board).

BESKYTTELSE AF ØJNE MOD LASERSTRÅLING UNDER SERVICE

I dette apparat anvendes laserlys. Derfor skal nedenstående instruktioner nøje følges under service.

Følg iøvrigt instruktionerne i servicemanualen.

ADVARSEL!!

Under service må øjnene ikke komme nær objektiv-linsen på den optiske pick-up enhed. I tilfælde af at det er nødvendigt at kontrollere udsendelsen af laserlys, skal det ske i en afstand af mere end 25 cm fra den optiske pick-up.

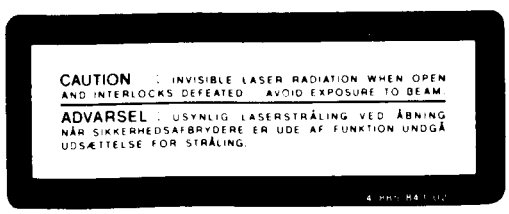
1. Laser-didoe data
   - Materiale: GaAlAs
   - Bølgelængde: 780 nm
   - Udstråling: Kontinuerlig
   - Laseroutput: Max. 0,4 mW*
     * Målt i 1,6 mm afstand fra overfladen af objektiv-linsen pa den optiske pick-up enhed.
   - Klassifikation: Klasse IIIb.

2. Adskil aldrig den optiske pick-up enhed under service, og juster ikke APC kredsløbet (Automatic Power Control). Hvis APC kredsløbet (incl. laser-dioden) bryder ned, skal hele den optiske pick-up enhed (incl. APC printkortet) udskiftes.

LASER ADVARSEL MÆRKNING

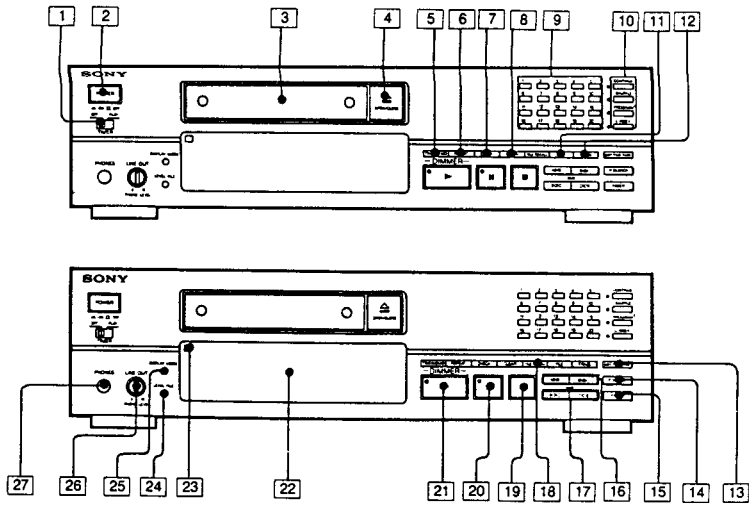
Følgende mærkning findes indvendig i apparatet:

1. Advarsel Mærkning


CAUTION : INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED. AVOID EXPOSURE TO BEAM.
ADVARSEL : USYNLIG LASERSTRÅLING VED ÅBNING NÅR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION UNDGÅ UDSÆTTELSE FOR STRÅLING.

VAROITUS: Laite sisältää, laserdiodin, joka lähettää (näkymätöntä) silmille vaarallista lasersateilyä.

Front Panel

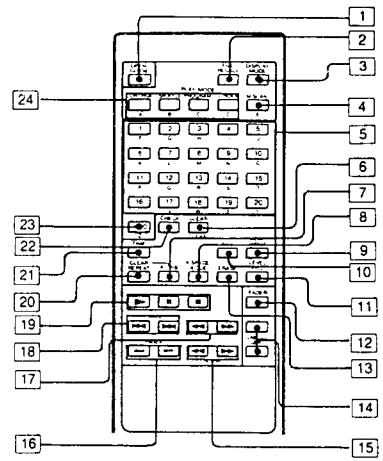


Refer to the pages indicated in ● for details.

1 TIMER switch ●
2 POWER switch ●
3 Disc tray ●
4 ⏏ OPEN/CLOSE button ●
5 TIME/MEMO button ●
6 REPEAT button ●
7 CHECK (program check) button ●
8 CLEAR (program clear) button ●
9 Numeric buttons ●
10 Play mode buttons
CONTINUE button ●
SHUFFLE button ●
PROGRAM button ●
C. (custom) INDEX button ●
11 FILE (custom file) button ●
12 ERASE (memory erase) button ●
13 EDIT/TIME FADE button ●
14 P.(peak) SEARCH button ●
15 FADER (fade in/fade out) button ●
16 ◀◀ ▶▶ (manual search) buttons ●
17 I◀◀ ▶▶I AMS* buttons ●
18 FILE RECALL button ●
19 ■ (stop) button ●
20 II (pause) button ●
21 ▶ (play) button ●
22 Display window ●
23 Remote sensor ●
24 LEVEL FILE button ●
25 DISPLAY MODE button ●
26 LINE OUT/PHONE LEVEL control ●
27 PHONES jack ●

* AMS is the abbreviation of Automatic Music Sensor.

Remote Commander (RM-D991)



Refer to the pages indicated in ● for details.

1 ⏏ OPEN/CLOSE button ●
2 FILE RECALL button ●
3 DISPLAY MODE button ●
4 M.(music) SCAN button ●
5 Numeric buttons ●
6 CLEAR button ●
7 A ↔ B repeat button ●
8 AUTO SPACE (auto space)/A.CUE (auto cue) button ●, ●
9 MEMO INPUT button ●
10 FILE (custom file) button ●
11 LEVEL FILE button ●
12 FADER (fade in/fade out) button ●
13 ERASE button ●
14 LINE OUT LEVEL (line out/headphone level) buttons ●
15 ◀◀ ▶▶ SLOW (low speed manual search) buttons ●
16 ⌢⌢ INDEX buttons ●
17 ◀◀ ▶▶ (manual search) buttons ●
18 I◀◀ ▶▶I AMS* buttons ●
19 ■ (stop) button ●
II (pause) button ●
▶ (play) button ●
20 CLEAR REPEAT (A ↔ B repeat clear/repeat) button ●
21 TIME button ●
22 CHECK button ●
23 > 20 (over 20) button ●
24 PLAY MODE buttons
CONTINUE button ●
SHUFFLE button ●
PROGRAM button ●
C. INDEX button ●

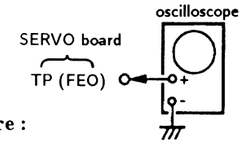
Buttons with yellow letters (A, B, - - - - -) are for writing a disc memo (page 78).

SECTION 2
ELECTRICAL BLOCK CHECKING

Note :

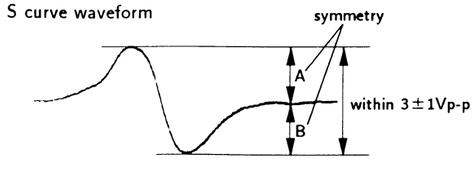
1. CD Block basically constructed to operate without adjustment. Therefore, check each item in order given.
2. Use YEDS-18 disc (3-702-101-01) unless otherwise indicated.
3. Use the oscilloscope with more than 10MΩ impedance.
4. Clean an object lens by an applicator with neutral detergent when the signal level is low than specified value with the following checks.

S Curve Check



Procedure :

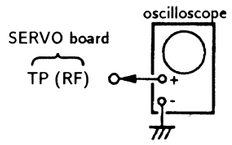
1. Connect oscilloscope to test point TP (FEO) on SERVO board.
2. Connect between test point TP (FES) to ground with lead wire.
3. Turned Power switch on and actuate the focus serch. (actuate the focus serch when disc table is moving in and out.)
4. Check the oscilloscope waveform (S curve) is symmetrical between A and B. And confirm peak to peak level within 3±1Vp-p.



5. After check, remove the lead wire connected in step 2.

Note : • Try to mesure several times to make sure that the ratio of A : B or B : A is more than 10 : 7.
• Take sweep time as long as possible and light up the brightness to obtain best waveform.

RF Level Check

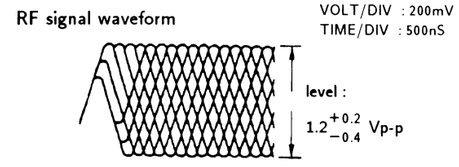


Procedure :

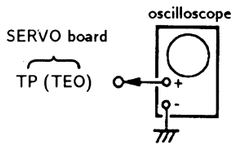
1. Connect oscilloscope to test point TP (RF) on SERVO board.
2. Turn Power switch on.
3. Put disc (YEDS-18) in and playback.
4. Confirm that oscilloscope waveform is clear and check RF signal level is correct or not.

Note :

Clear RF signal waveform means that the shape "◇" can be clearly distinguished at the center of the waveform.

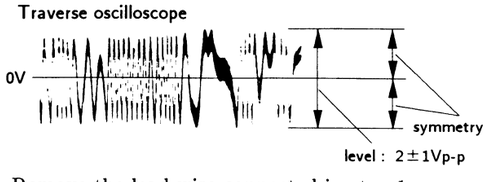


E-F Balance Check



Procedure :

1. Connect test point TP (ADJ) and TP (TES) to ground with lead wire.
2. Connect oscilloscope to test point TP (TEO) on SERVO board.
3. Turn Power switch on.
4. Put disc (YEDS-18) in and playback.
5. Confirm that the osilloscope waveform is symmetrical on the top and bottom in relation to 0V, and check this level.

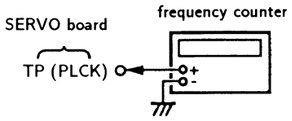


6. Remove the lead wire connected in step 1.

RF PLL Free-run Frequency Check

Procedure :

1. Connect frequency counter to test point (PLCK) on SERVO board.



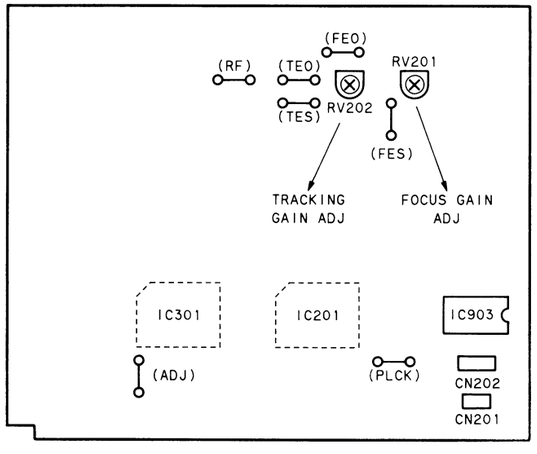
2. Turn Power switch on.
3. Confirm that reading on frequency counter is 4. 3218MHz.

Focus/Tracking Gain

This gain has a margin, so even if it is slightly off. There is no problem.
Therefore, do not perform, this adjustment.
Please note that it should be fixed to mechanical center position when you moved and do not know original position.

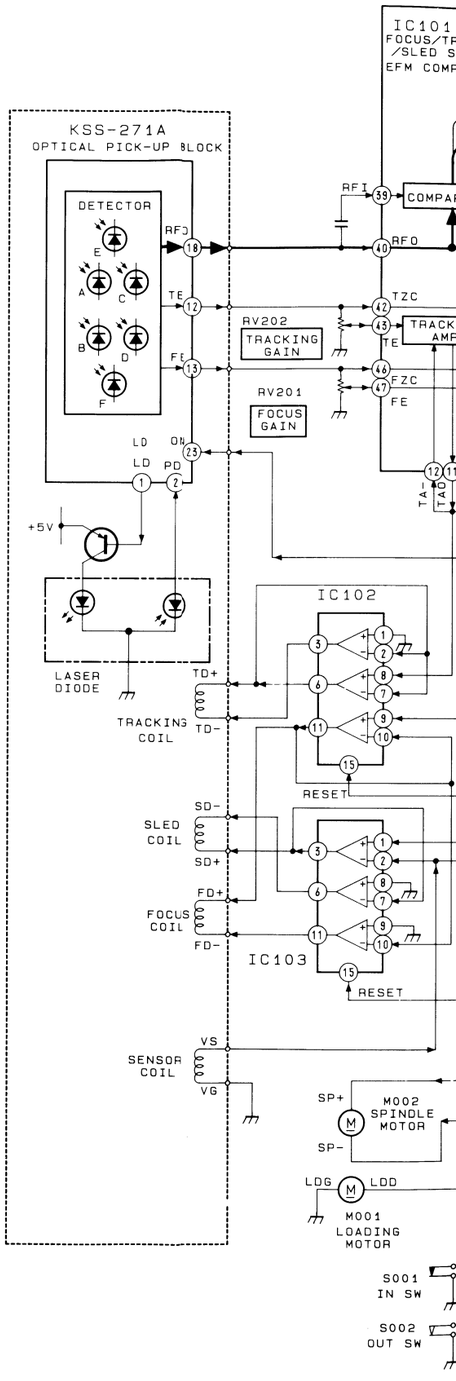
Adjustment Location :

[SERVO BOARD] (COMPONENT SIDE)



SECTION 3
DIAGRAMS

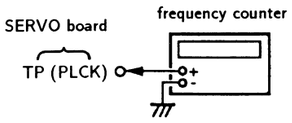
3-1. BLOCK DIAGRAM



PLL Free-run Frequency Check

cedure :

Connect frequency counter to test point (PLCK) on SERVO board.



Turn Power switch on.

Confirm that reading on frequency counter is 4. 3218MHz.

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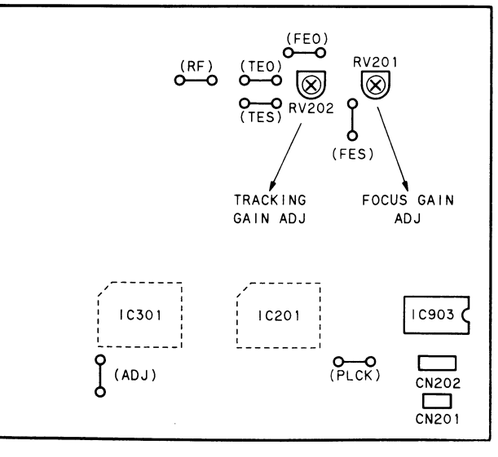

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DIAGRAMS

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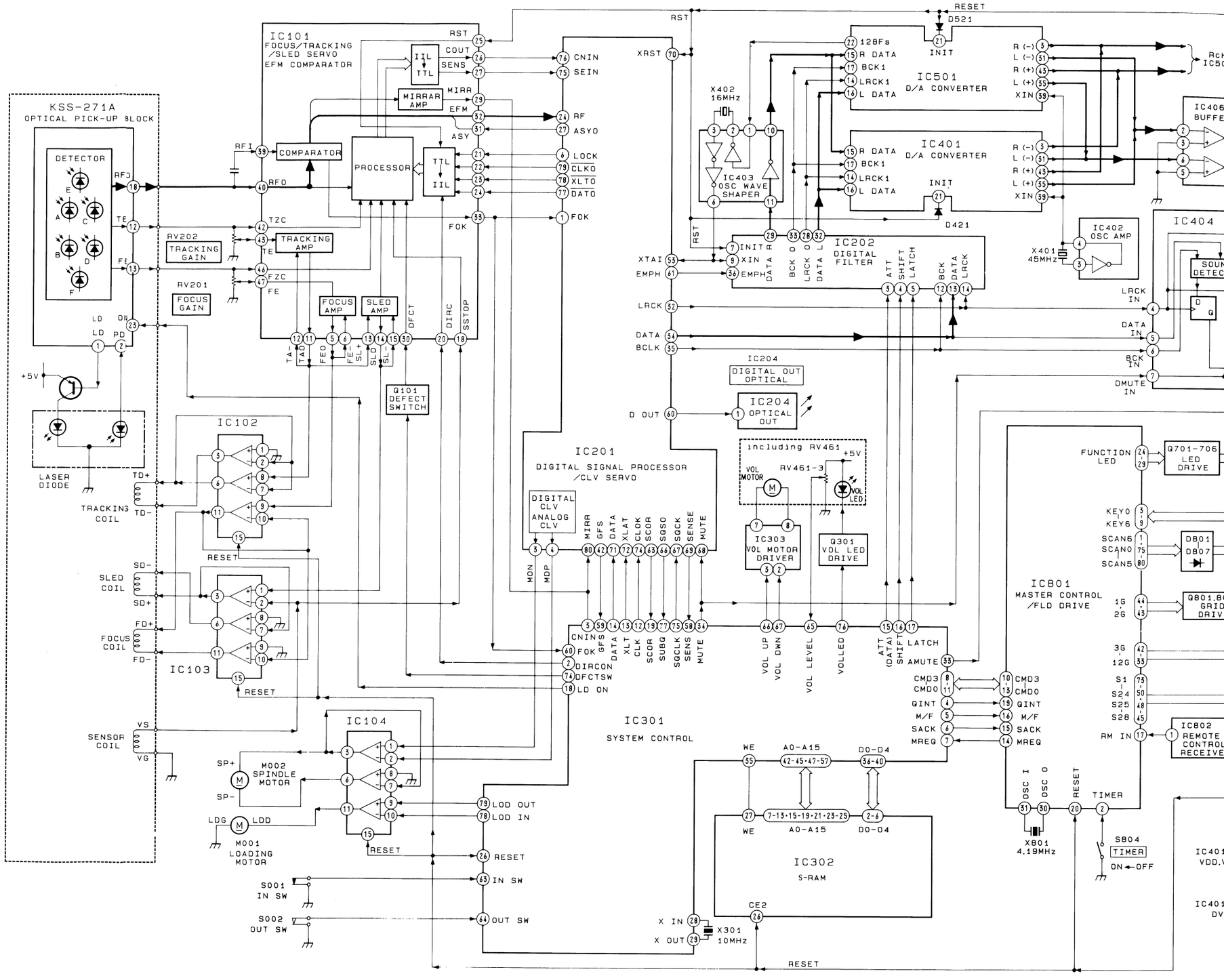
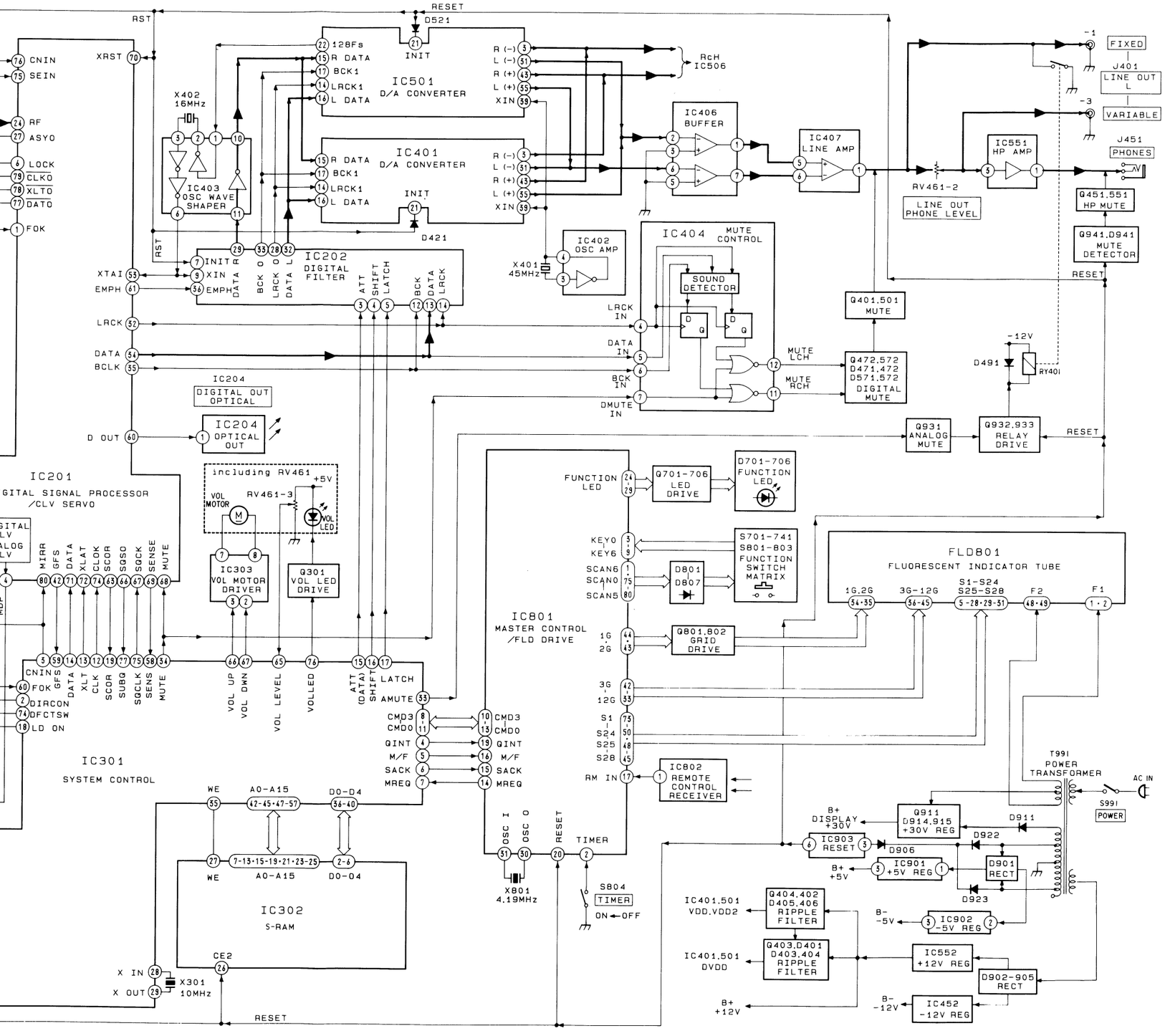
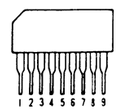


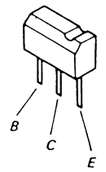


3-2. SEMICONDUCTOR LEAD LAYOUTS

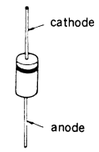
BA6208



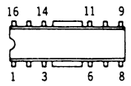
DTC114EF



HZ36-2L

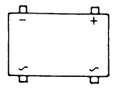


LA6523



2SC3246-JK

RDF02M



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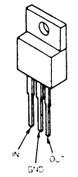
TA7805S



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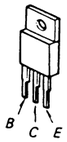
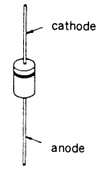


21DQ05
31DF2-FA



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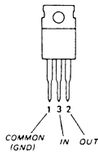
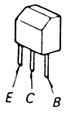
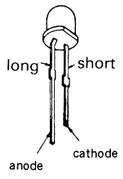
M5F7912L



2SD774-34

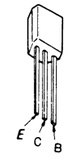


BR3371X
MAY3371X-M-177
MBG3371X-177
MPG3371X-150
MPY3371X-177



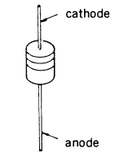
2SK161-GR

BN1L3Z
DTC114ES
DTC144ES

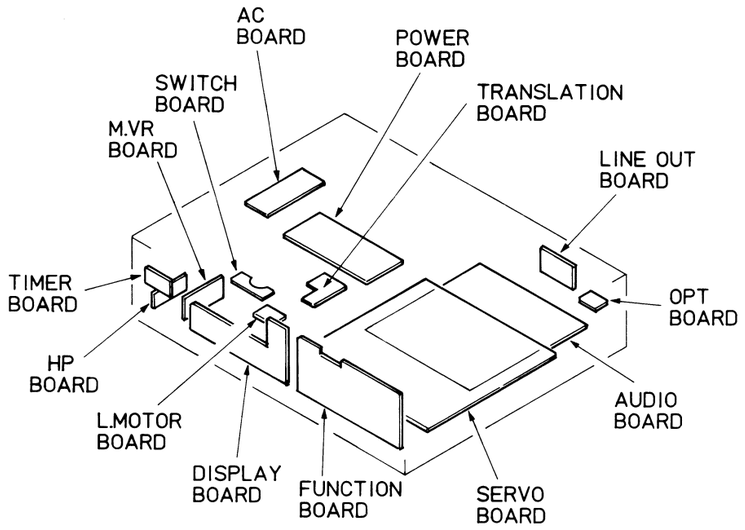


HZS7B2L
RD4.7ES-B2
RD4.7JS-B3
RD5.1JS-B2
1SS202-1

DTA114ES
2SC2878-B
2SC3622A-K



3-3. CIRCUIT BOARDS LOCATION



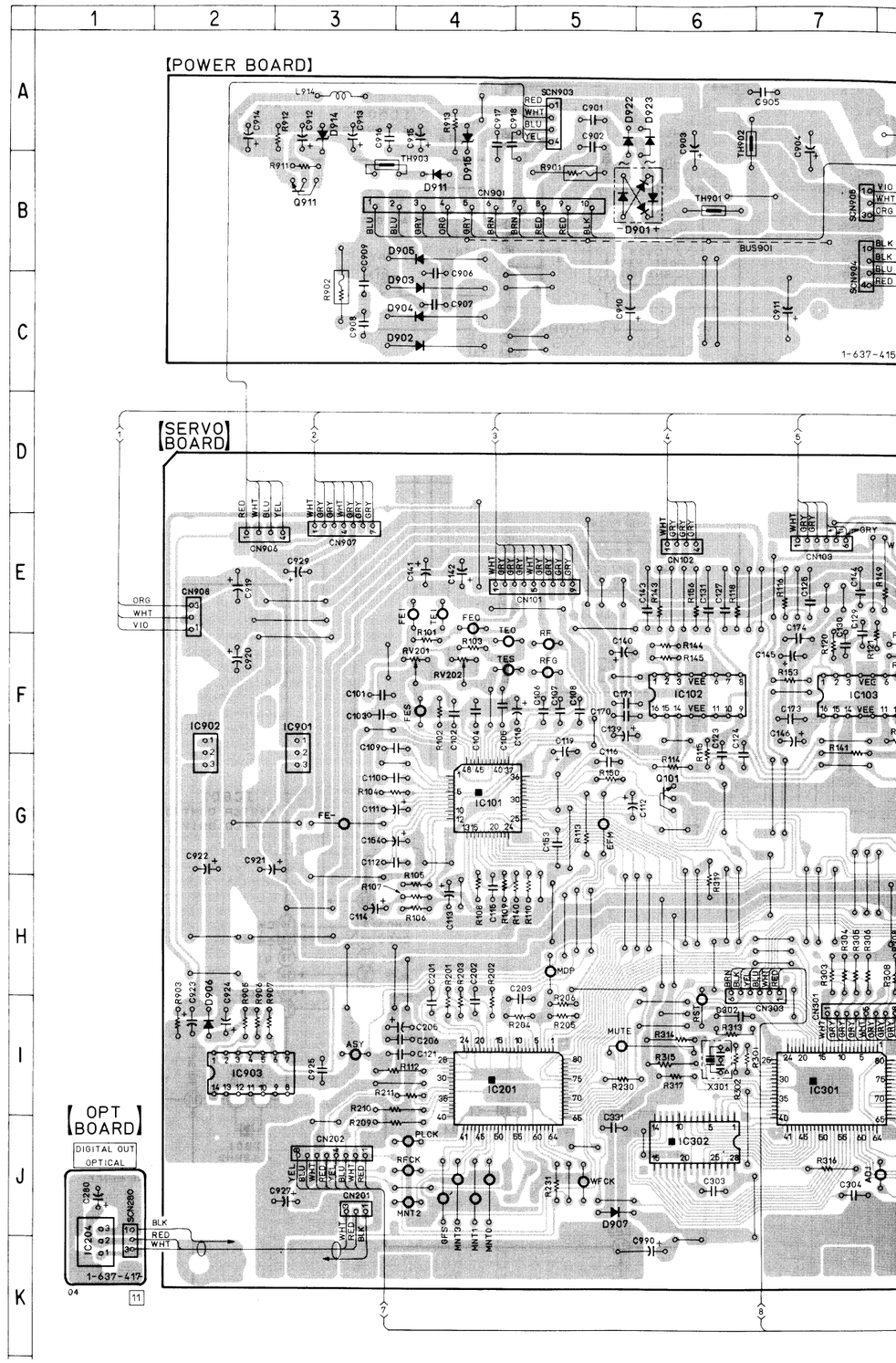
Note:

- ○—— : parts extracted from the component side.
- ■ : parts mounted on the conductor side.
- ● : Through hole.
- ▒ : Pattern on the side which is seen.
- Pattern of the rear side

● Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D401	K-17	IC902	F-2
D403	J-16	IC903	I-2
D404	J-16		
D405	F-16	Q101	G-6
D406	F-16	Q301	I-8
D421	F-18	Q401	G-14
D471	F-14	Q402	G-16
D472	F-14	Q403	K-16
D491	E-10	Q404	G-16
D501	I-13	Q451	G-20
D521	I-18	Q472	F-13
D571	J-14	Q501	I-14
D572	F-14	Q551	G-20
D701	B-23	Q572	J-14
D702	B-24	Q701	D-23
D703	D-28	Q702	D-23
D704	D-28	Q703	C-23
D705	C-28	Q704	C-23
D706	C-28	Q705	C-24
D801	I-27	Q706	C-24
D802	I-27	Q801	J-24
D803	I-27	Q802	J-24
D804	I-27	Q911	B-3
D805	I-27	Q931	F-14
D806	I-27	Q932	F-14
D807	I-27	Q933	F-14
D901	B-5	Q941	E-19
D902	C-4		
D903	C-4		
D904	C-4		
D905	B-4		
D906	I-2		
D907	J-5		
D911	B-4		
D914	A-3		
D915	A-4		
D922	A-5		
D923	A-6		
D941	E-19		
IC101	G-4		
IC102	F-6		
IC103	F-7		
IC104	F-9		
IC201	I-4		
IC202	I-20		
IC204	K-1		
IC301	I-7		
IC302	J-6		
IC303	I-9		
IC401	G-18		
IC402	J-16		
IC403	H-19		
IC404	G-19		
IC406	G-15		
IC407	G-15		
IC452	G-13		
IC501	I-18		
IC506	I-15		
IC507	I-15		
IC551	F-20		
IC552	I-13		
IC801	J-26		
IC802	K-28		
IC901	F-3		

3-4. PRINTED WIRING BOARDS ● Refer to page 9 for Semiconductor Lead Layouts.

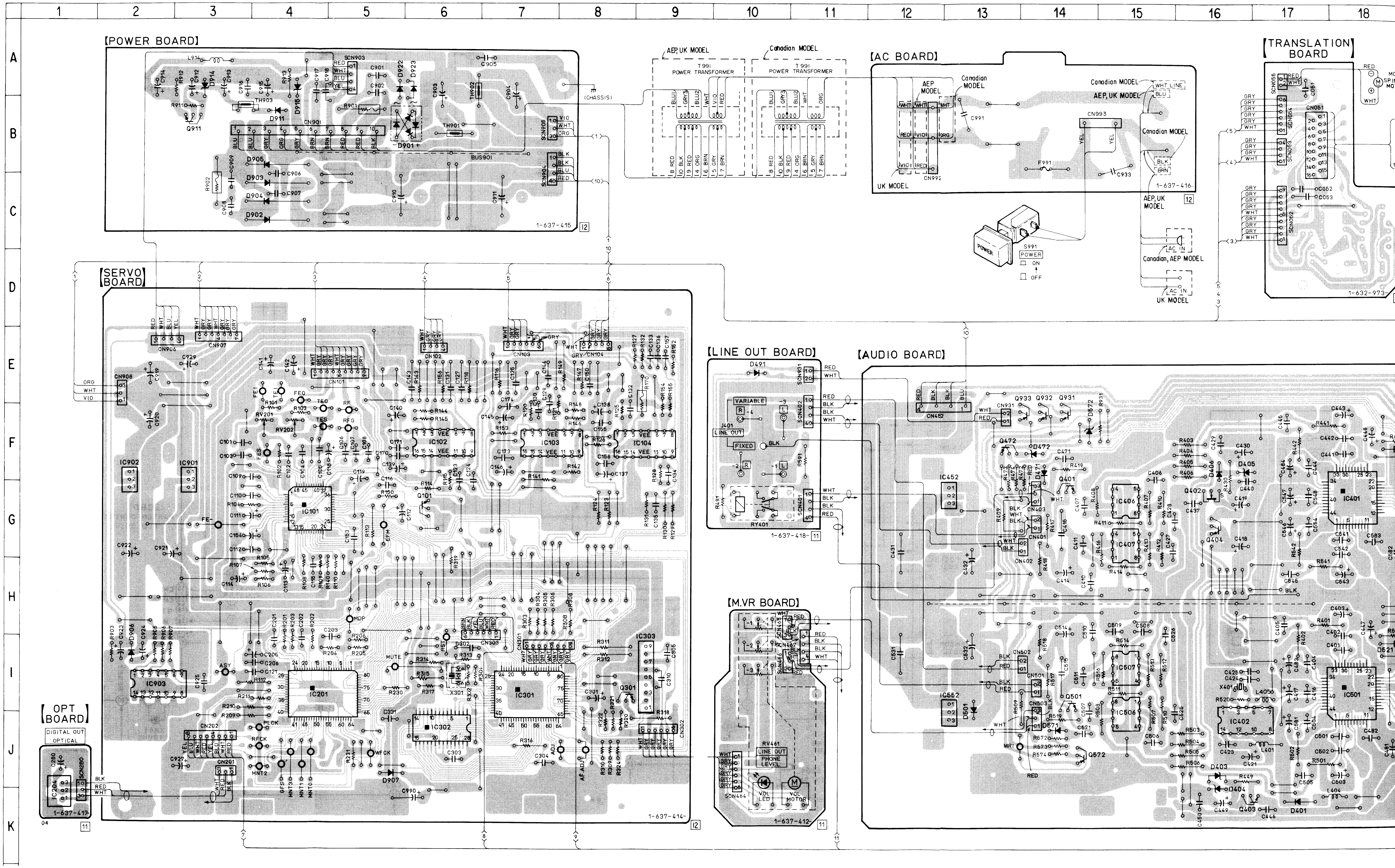


ion

f. No.	Location
902	F-2
903	I-2
01	G-6
01	I-8
01	G-14
02	G-16
03	K-16
04	G-16
51	G-20
72	F-13
01	I-14
51	G-20
72	J-14
01	D-23
02	D-23
03	C-23
04	C-23
05	C-24
06	C-24
01	J-24
02	J-24
11	B-3
31	F-14
32	F-14
33	F-14
41	E-19

3-4. PRINTED WIRING BOARDS

• Refer to page 9 for Semiconductor Lead Layouts.



[POWER BOARD]
1-637-415
[SERVO BOARD]
1-637-414-
[OPT BOARD]
DIGITAL OUT OPTICAL
1-637-417
[AC BOARD]
1-637-416-
AEP, UK MODEL
Canadian MODEL
T991 POWER TRANSFORMER
UK MODEL
S991 POWER
[TRANSLATION BOARD]
1-632-973-
[LINE OUT BOARD]
1-637-418-
[M.VR BOARD]
1-637-412-
[AUDIO BOARD]

11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29

【AC BOARD】

【TRANSLATION BOARD】

【L.MOTOR BOARD】

【FUNCTION BOARD】

【SWITCH BOARD】

【AUDIO BOARD】

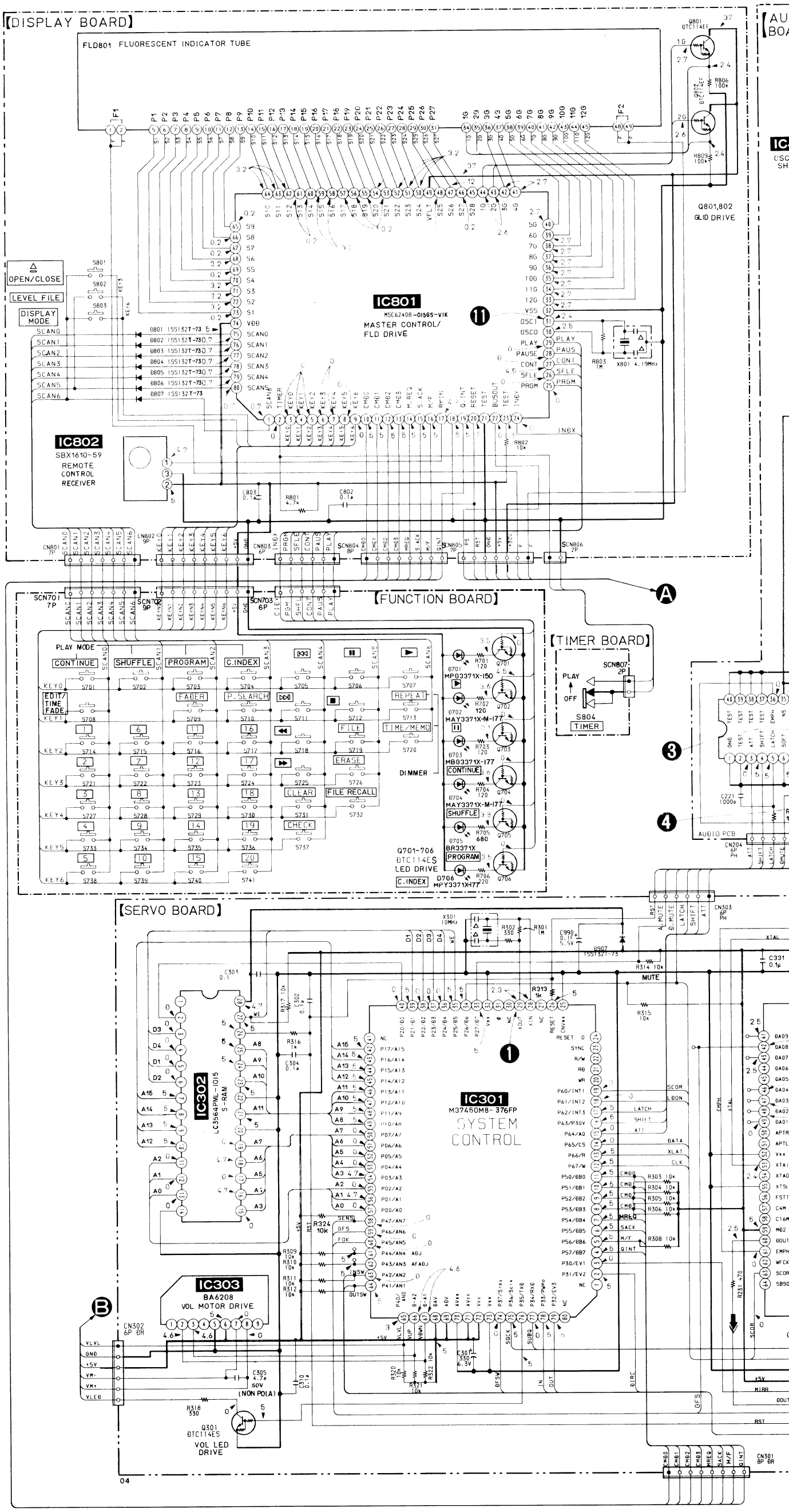
【DISPLAY BOARD】

【HP BOARD】

【TIMER BOARD】

FLD801 FLUORESCENT INDICATOR TUBE

3-5. SCHEMATIC DIAGRAM • Refer to page 19 for IC Block Diagrams.



Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- % : indicates tolerance.
- △ : internal component.
- : nonflammable resistor.
- : fusible resistor.

Note:	**Note:**
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- : B+ Line
- : B− Line
- : adjustment for repair.
- Voltage and waveforms are dc with respect to ground under on signal conditions.
  no mark : POWER ON
- Voltages are taken with a VOM (Input Impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  : CD
  : DIGITAL OUT

【AUDIO BOARD】

IC403 CSC,WAVE SHAPER

IC501 CXD2552Q-2 D/A CONV

IC402 OSC AMP SN74HCU04AN

IC401 CXD2552Q-2 COMPL-1-MODE D/A CONV

IC404 MUTE CONTROL

IC407 IC507 LINE AMP

IC406 IC506 BUFFER

Q932,933 RELAY DRIVE

Q401,501 MUTE

Q941 MUTE DET

IC551 HP AMP Q451 2SC3622A-K

IC552 +12V REG

IC202 DIGITAL FILTER

IC903 SN74HCU04AN RESET

IC901 +5V REG

IC902 -5V REG

IC101 CXA1372Q FOCUS/TRACKING /SLED SERVO EFM COMPARATOR

IC201 CXD2500AQ DIGITAL SIGNAL PROCESSOR /CLV SERVO

IC102 TRACKING /FOCUS COIL DRIVE

IC103 SLEDING/TRACKING COIL DRIVE

IC104 LOADING/SPINDLE MOTOR DRIVE

【POWER BOARD】

【TIMER BOARD】

【OPT BOARD】

IC204 GP1F32T

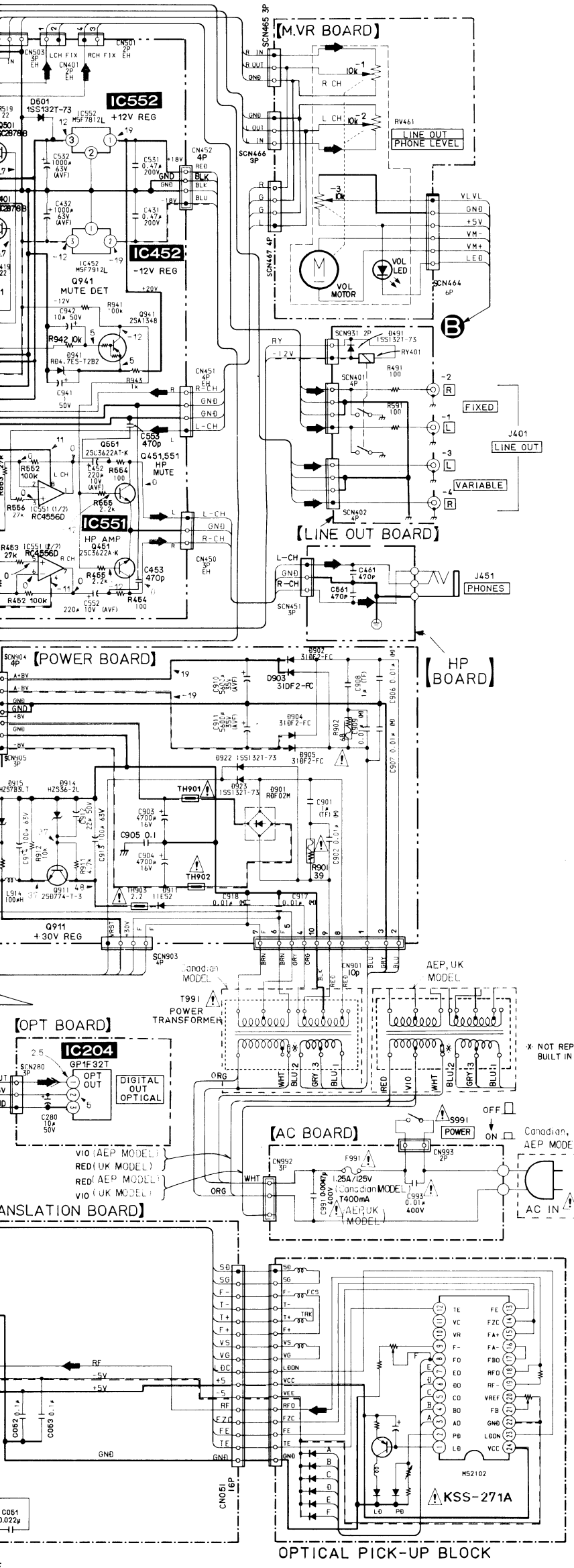
【TRANSLATION BOARD】

【SWITCH BOARD】

Q911 +30V REG

M002 SPINDLE MOTOR

Q801,802 GLID DRIVE



● Display Panel Terminal

	12G	11G	10G	9G	8G	7G	6G	5G	4G	3G	2G	1G
P1	a	a	a	a	a	a	a	a	a	a	REPEAT	1
P2	b	b	b	b	b	b	b	b	b	b	1	2
P3	c	c	c	c	c	c	c	c	c	c	A−	3
P4	d	d	d	d	d	d	d	d	d	d	B	4
P5	e	e	e	e	e	e	e	e	e	e	A.CUE	5
P6	f	f	f	f	f	f	f	f	f	f	AUTO SPACE	6
P7	g	g	g	g	g	g	g	g	g	g	SINGLE	7
P8	h	h	h	h	h	h	h	h	h	h	MULTI	8
P9	i	i	i	i	i	i	i	i	i	i	CUSTOM FILE	9
P10	j	j	j	j	j	j	j	j	j	j	MEMO	10
P11	k	k	k	k	k	k	k	k	k	k	INDEX	11
P12	l	l	l	l	l	l	l	l	l	l	BANK	12
P13	m	m	m	m	m	m	m	m	m	m	LEVEL	13
P14	n	n	n	n	n	n	n	n	n	n	[LINK]	14
P15	o	o	o	o	o	o	o	o	o	o	EDIT	15
P16	p	p	p	p	p	p	p	p	p	p	—	16
P17	q	q	q	q	q	q	q	q	q	q	A	17
P18	r	r	r	r	r	r	r	r	r	r	B	18
P19	s	s	s	s	s	s	s	s	s	s	○○	19
P20	t	t	t	t	t	t	t	t	t	t	TIME	20
P21	u	u	u	u	u	u	u	u	u	u	FADE	—
P22	v	v	v	v	v	v	v	v	v	v	▶	—
P23	w	w	w	w	w	w	w	w	w	w	◀	—
P24	x	x	x	x	x	x	x	x	x	x	—	—
P25	y	y	y	y	y	y	y	y	y	y	—	▦
P26	—	TRACK	—	STEP	INDEX	—	—	MIN	DISC	SEC	PEAK	▷
P27	—	—	—	—	—	—	—	○	—	—	—	—

● Waveforms

❶ 5.1Vp-p, 10MHz — IC301 ㉙

❷ 2.6Vp-p, 7.4µsec — IC201 ④ PLAY

❸ 2.5Vp-p, 16MHz — IC202 ⑨

❹ 5Vp-p, 0.46µsec — IC202 ⑫

❺ 5Vp-p, 22µsec — IC202 ⑭

❻ 1.6V / 0.4V / 0V — IC101 ㊵ PLAY

❼ —0V, Approx. 0.1Vp-p — IC101 ㊸ PLAY

❽ 5Vp-p, 2.8µsec — IC501 ⑭

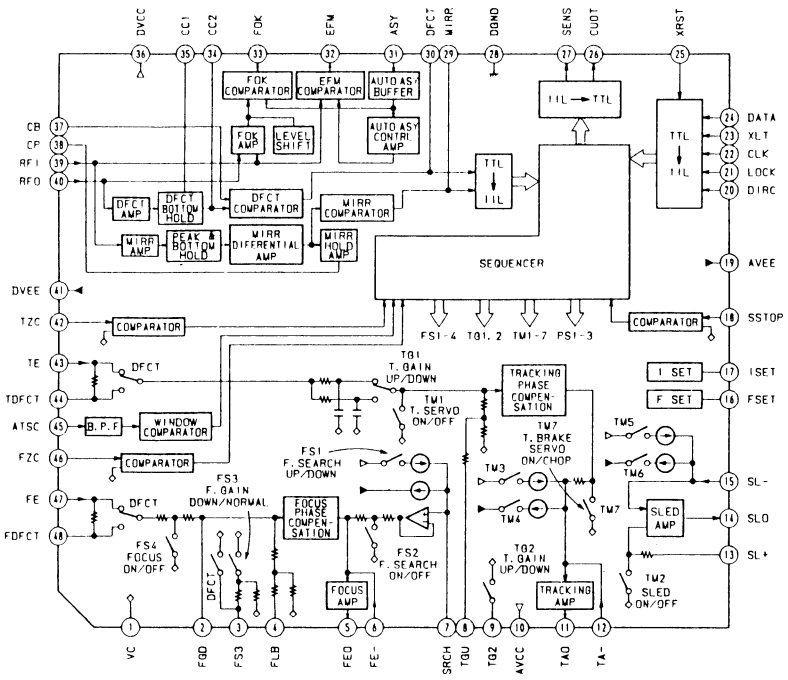
❾ 4.2Vp-p, 8.47MHz — IC501 ⑰

❿ 4.1Vp-p, 45.15MHz — IC402 ④

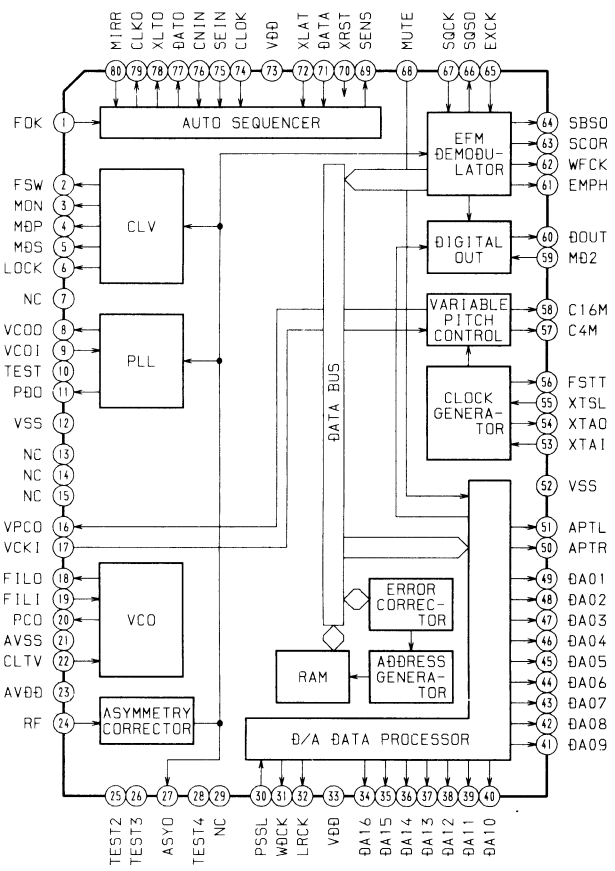
⓫ 3.8Vp-p, 4MHz — IC801 ㉛

• IC Block Diagrams

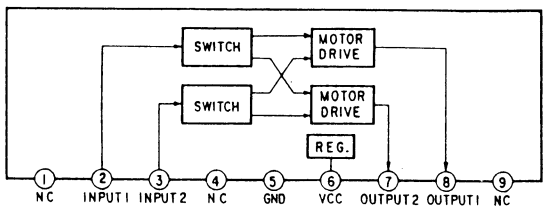
IC101 CXA1372Q



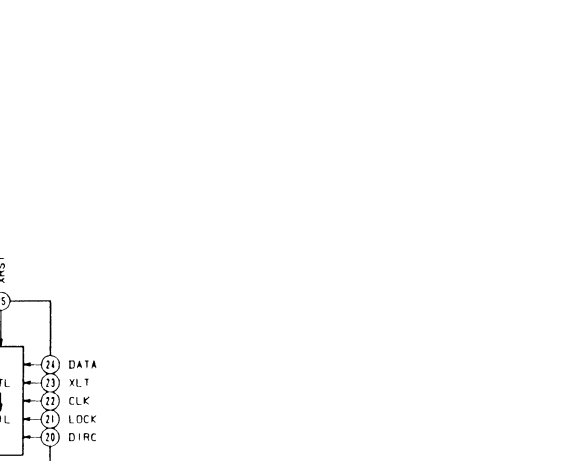
IC201 CXD2500AQ



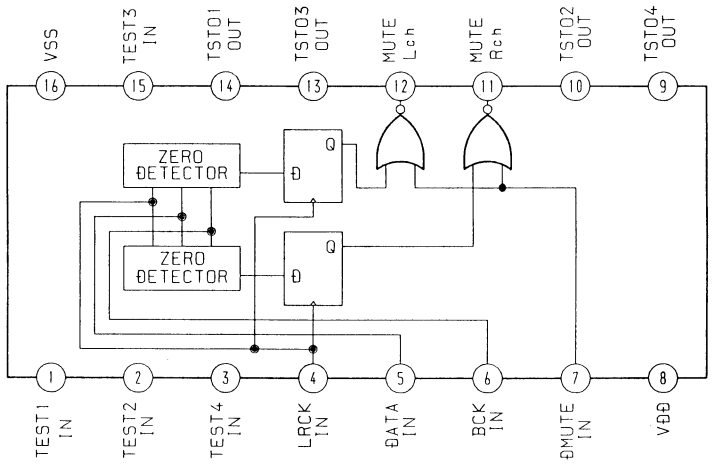
IC303 BA6208



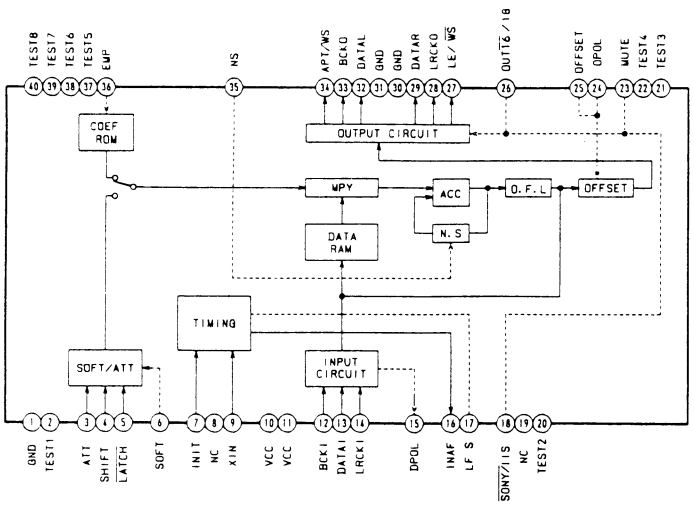
IC102, 103, 104 LA6523



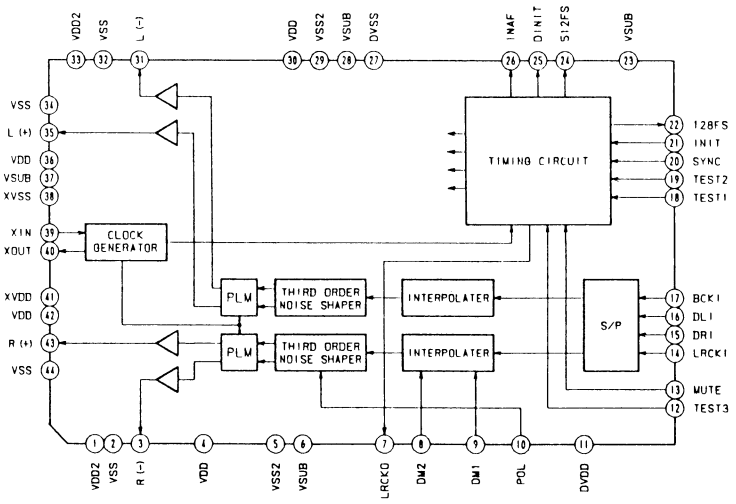
IC404 CXD2557M



IC202 CXD1244S



IC401, 501 CXD2552Q-2



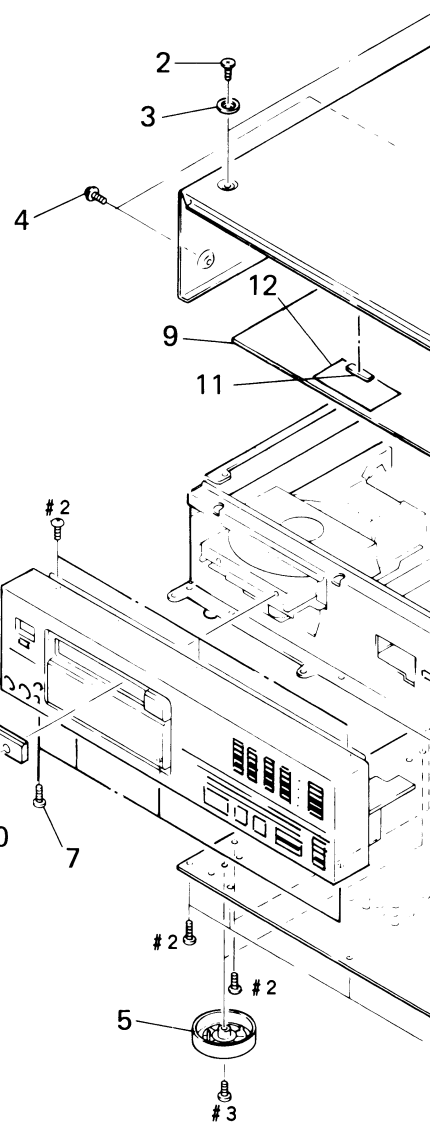
SECT
EXPLOD

NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked "✱" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- -XX, -X mean sta
they may have so
the original one.
- Color Indication
Example:
KNOB, BALANCE

Parts

4-1. CABINET SECTION



Ref. No.	Part No.	Description	Remark
1	4-934-043-01	CASE	
2	4-924-242-11	SCREW (M3X6), FLAT HEAD	
3	4-928-025-11	ESCUTCHEON (TOP PLATE)	
4	4-847-802-00	SCREW	
5	X-4941-014-1	FOOT ASSY (AEP, UK)	
5	X-4941-550-1	FOOT ASSY (Canadian)	
6	* 4-929-007-01	CUSHION (CASE)	

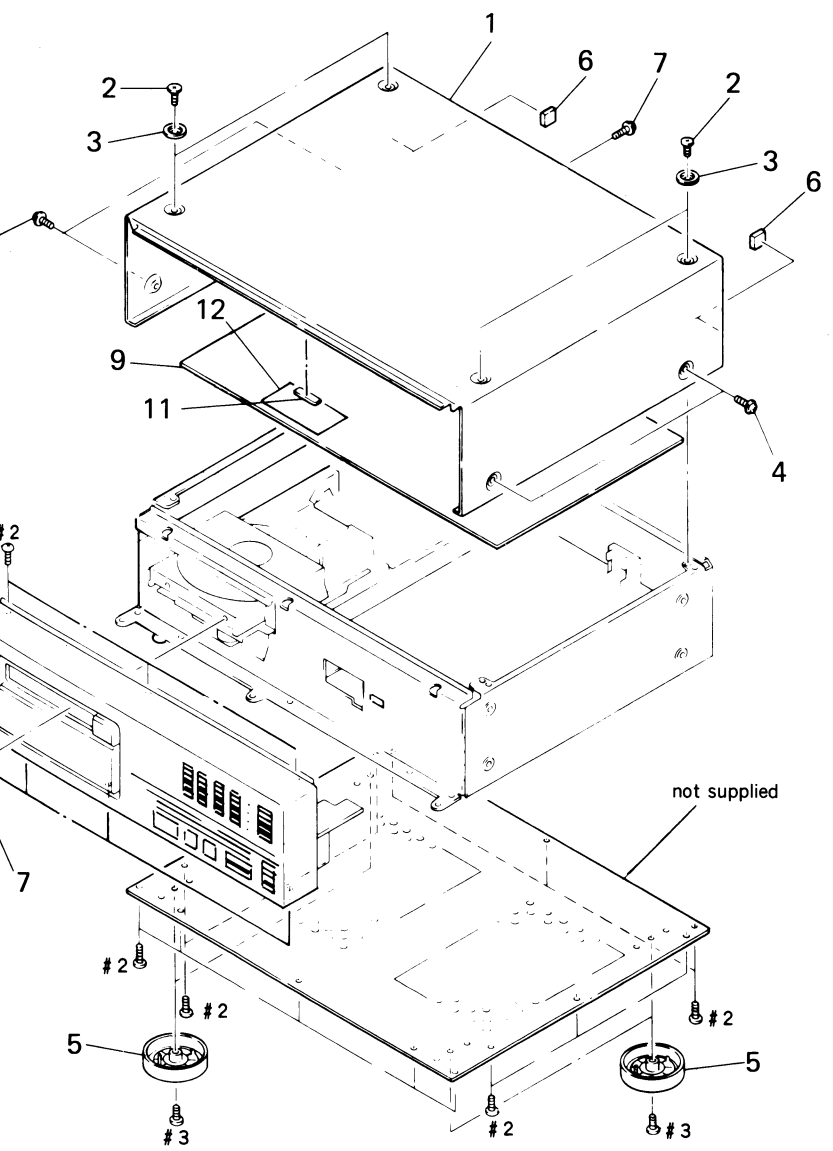
SECTION 4
EXPLODED VIEWS

reference
ws are not

cked since
or routine
be antici-
ns.

- -XX, -X mean standardized parts, so they may have some differences from the original one.
- Color Indication of Appearance Parts
  Example:
  KNOB, BALANCE (WHITE)...(RED)
  ↑ Parts Color ↑ Cabinet's Color
- Hardware(# mark) list is given in the last of this parts list.

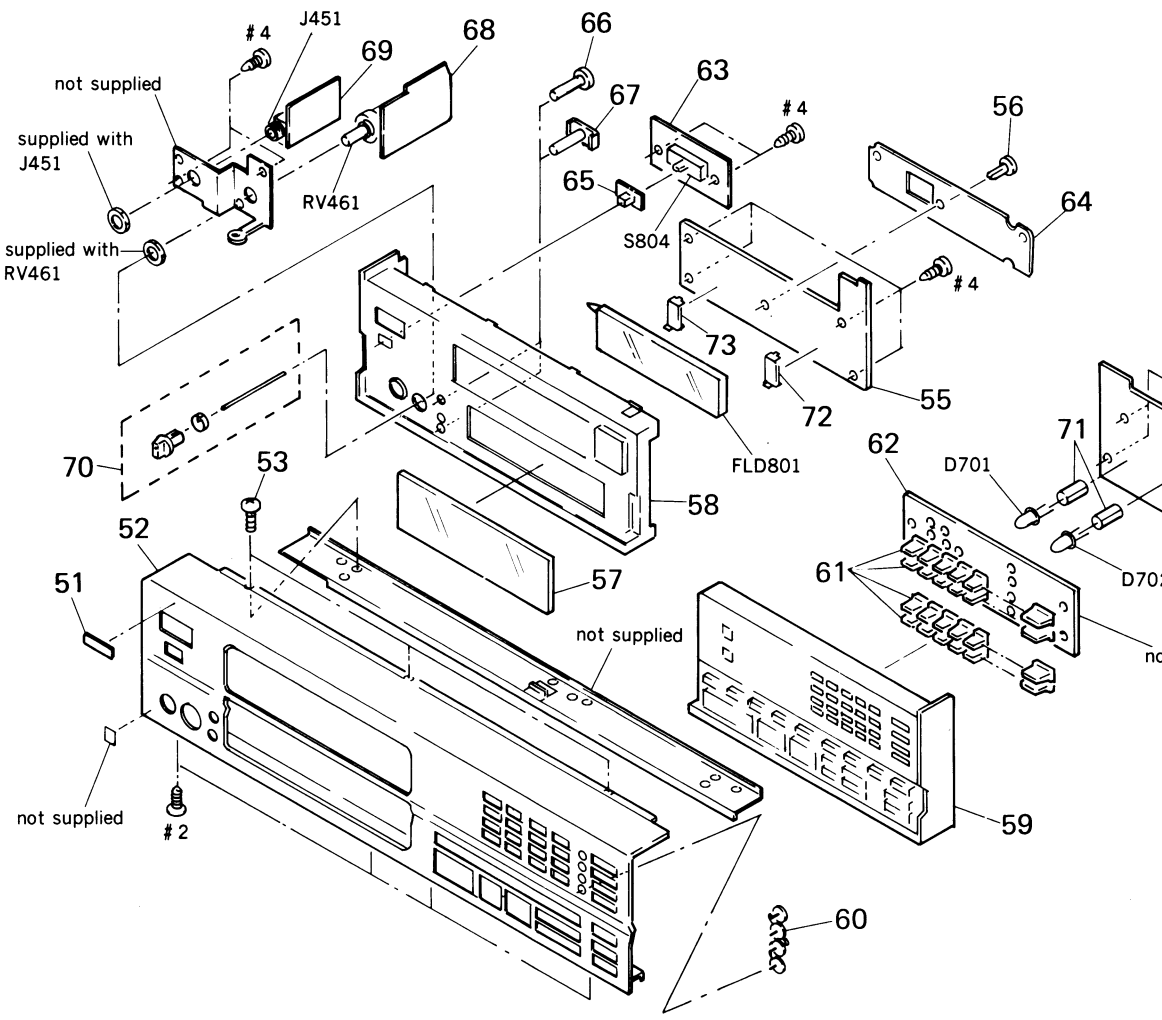
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifé.



scription	Remark
SE	
REW (M3X6), FLAT HEAD	
CUTCHEON (TOP PLATE)	
REW	
OT ASSY (AEP, UK)	
OT ASSY (Canadian)	
SHION (CASE)	

Ref.No.	Part No.	Description	Remark
7	4-929-074-01	SCREW (3X8)	
8	X-4941-212-1	PANEL ASSY, LOADING	
9	A-4675-309-A	REINFORCEMENT (TOP PLATE) ASSY	
10	4-884-635-00	BASE, ORNAMENTAL	
11 *	4-918-690-01	SHEET, ADHESIVE	
12 *	4-923-563-11	CUSHION	

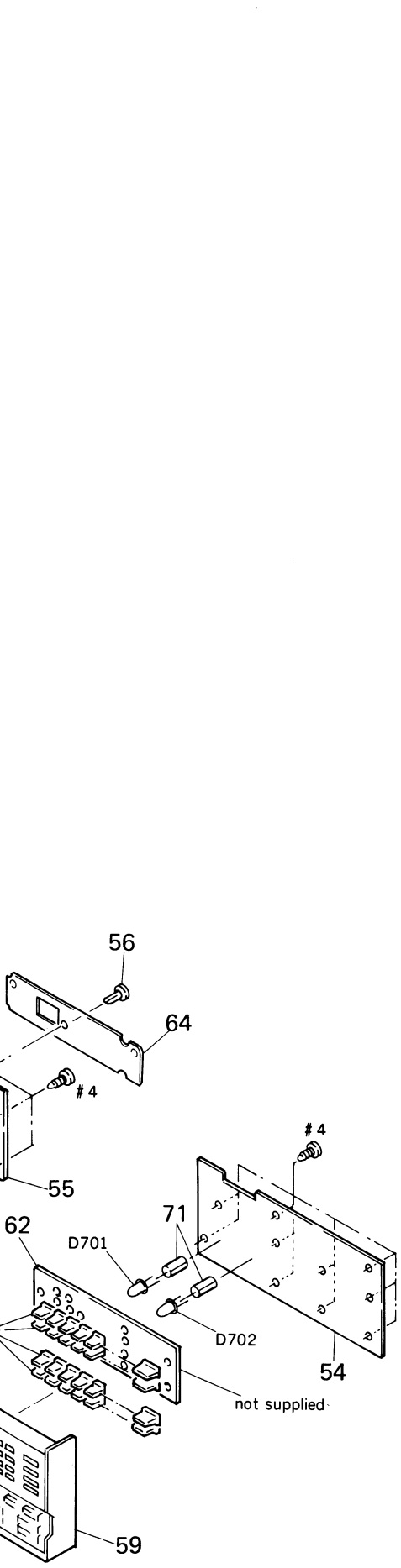
4-2. FRONT PANEL ASSY

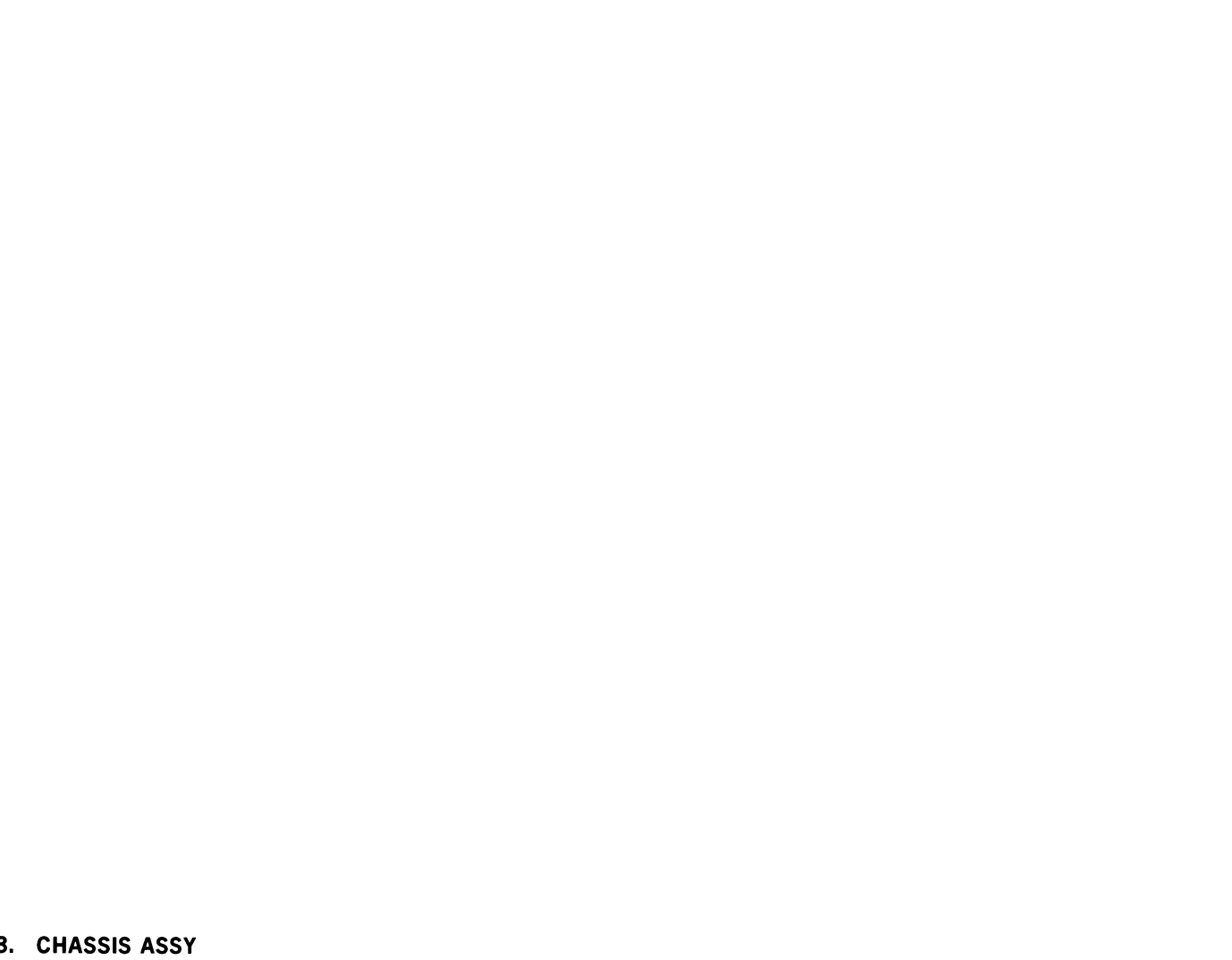


Ref.No.	Part No.	Description	Remark
51	4-908-848-01	EMBLEM, SONY	
52	4-941-221-01	PANEL (FRONT) (AEP)	
53	3-703-685-21	SCREW (+BV 3X8)	
54 *	1-637-419-11	FUNCTION BOARD	
55 *	1-637-410-11	DISPLAY BOARD	
56	3-531-576-11	RIVET	
57	4-941-087-01	PLATE, INDICATION	
58	X-4941-208-1	PANEL (BASE) (L) ASSY	
59	X-4941-549-1	PANEL (R) ASSY	
60	4-941-093-01	INDICATOR	
61	4-941-079-01	BUTTON (20 KEY)	
62 *	4-941-092-01	ABSORBENT (20 KEY), VIBRATION	
63 *	1-637-411-11	TIMER BOARD	
64 *	4-941-220-01	COVER (CABLE)	
65	4-922-518-11	KNOB (TIMER)	

Ref.No.	Part No.	Description
66	4-941-084-01	BUTTON (DISPLAY MO
67	4-941-085-01	BUTTON (LEVEL FILE
68 *	1-637-412-11	M.VR BOARD
69 *	1-637-413-11	HP BOARD
70	A-4604-698-A	KNOB (HP) ASSY
71 *	4-923-532-21	SPACER, LED
72 *	4-928-052-01	HOLDER (RIGHT)
73 *	4-928-053-01	HOLDER (LEFT)
D701	8-719-970-07	DIODE MPG3371X-150
D702	8-719-971-52	DIODE MAY3371X-M-1
FLD801	1-519-622-11	INDICATOR TUBE, FLU
J451	1-568-519-31	JACK, LARGE TYPE (P
RV461	1-241-321-11	RES, VAR, CARBON 10 (LINE OUT/PHONE LEV
S804	1-570-157-51	SWITCH, SLIDE (TIME

4-3. CHASSIS ASSY





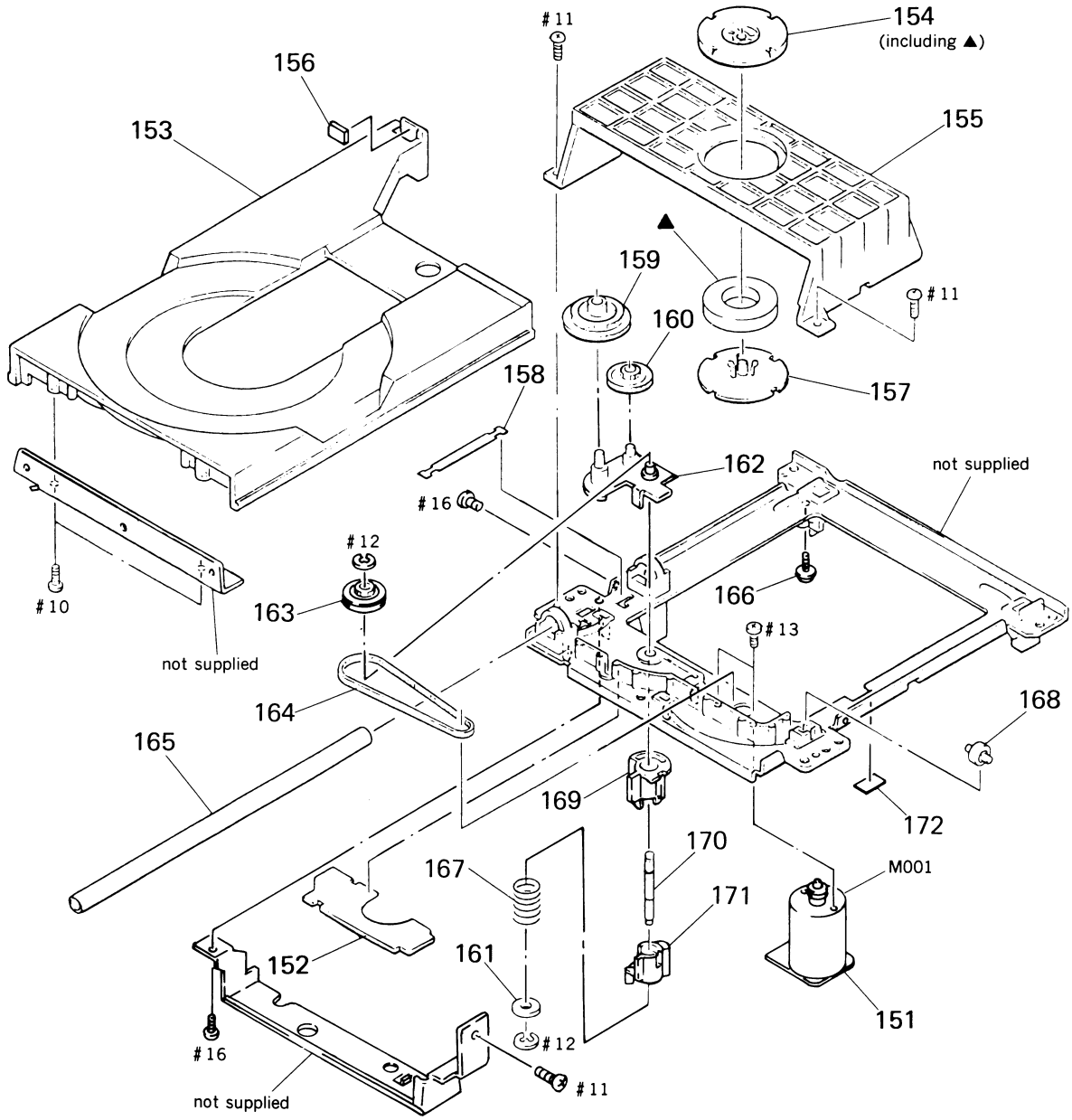
Note:	Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

rt No.	Description	Remark
941-084-01	BUTTON (DISPLAY MODE)	
941-085-01	BUTTON (LEVEL FILE)	
637-412-11	M. VR BOARD	
637-413-11	HP BOARD	
4604-698-A	KNOB (HP) ASSY	
923-532-21	SPACER, LED	
928-052-01	HOLDER (RIGHT)	
928-053-01	HOLDER (LEFT)	
719-970-07	DIODE MPG3371X-150	
719-971-52	DIODE MAY3371X-M-177	
519-622-11	INDICATOR TUBE, FLUORESCENT	
568-519-31	JACK, LARGE TYPE (PHONES)	
241-321-11	RES, VAR, CARBON 10KX3 (LINE OUT/PHONE LEVEL)	
570-157-51	SWITCH, SLIDE (TIMER)	

Ref. No.	Part No.	Description	Remark
101	4-923-520-01	KNOB, POWER	
102	⚠ 1-557-577-11	CORD, POWER (Canadian)	
103	* A-4617-748-A	POWER BOARD, COMPLETE (AEP, UK)	
103	* A-4617-943-A	POWER BOARD, COMPLETE (Canadian)	
104	4-929-074-01	SCREW (3X8)	
105	3-703-685-21	SCREW (+BV 3X8)	
106	* 4-923-873-01	BRACKET, CORD STOPPER	
107	* 3-703-244-00	BUSHING (2104), CORD	
108	* A-4617-601-A	SERVO BOARD, COMPLETE	
109	4-928-032-01	COLLAR (A)	
110	* 4-888-798-00	BUSHING, RUBBER	
111	* 1-637-417-11	OPT BOARD	
112	1-533-183-11	HOLDER, FUSE	
113	3-531-576-11	RIVET	
114	* 4-942-524-01	COVER (POWER)	
115	* 4-941-729-22	PANEL, BACK (Canadian)	
115	* 4-941-729-31	PANEL, BACK (AEP)	
115	* 4-941-729-41	PANEL, BACK (UK)	
116	3-655-653-21	BAND (TAITON), BINDING	

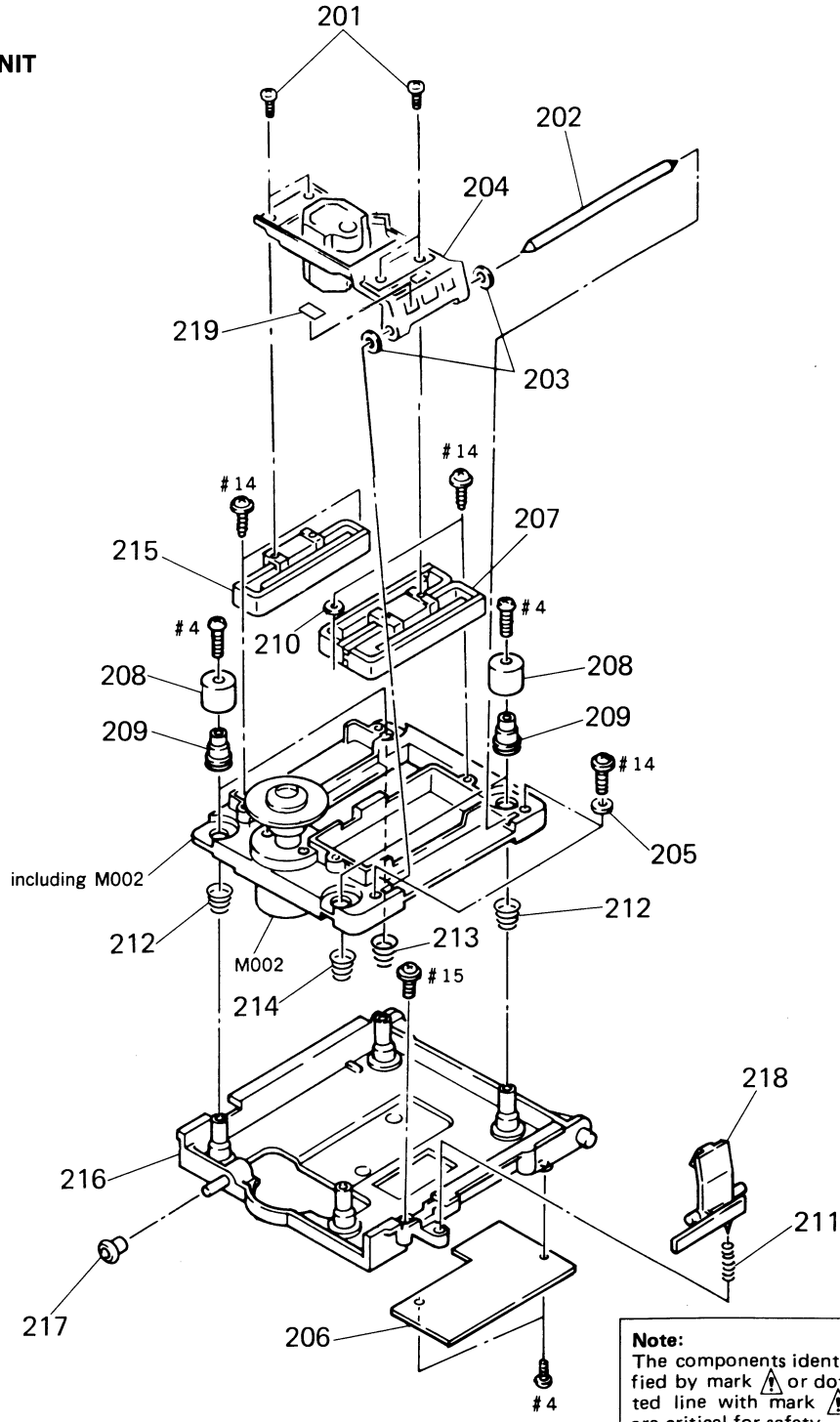
Ref. No.	Part No.	Description	Remark
117	* 4-363-146-00	HEAT SINK, V. OUT	
118	* A-4617-944-A	AUDIO BOARD, COMPLETE	
119	* 4-922-525-01	HEAT SINK	
120	* 4-941-636-11	BRACKET (PCB-R2)	
121	* 1-637-418-11	LINE OUT BOARD	
122	* 1-637-416-11	AC BOARD	
123	⚠ 1-555-795-00	CORD, POWER (AEP)	
124	⚠ 1-556-035-00	CORD, POWER (UK)	
125	* 4-941-548-01	LABEL, CLASS 1 (AEP, UK)	
126	* 3-701-948-10	LABEL (T400MA), FUSE (AEP, UK)	
127	3-575-524-00	COVER, POWER SWITCH	
128	3-831-441-XX	CUSHION	
129	* 3-846-311-00	SPACER (D)	
F991	⚠ 1-532-066-00	FUSE, TIME-LAG (T400mA) (AEP, UK)	
F991	⚠ 1-532-741-11	FUSE, GLASS TUBE (1.25A/125V) (Canadian)	
S991	⚠ 1-570-156-11	SWITCH, PUSH (AC POWER) (1 KEY) (POWER)	
T991	⚠ 1-450-039-21	TRANSFORMER, POWER (Canadian)	
T991	⚠ 1-450-523-11	TRANSFORMER, POWER (AEP, UK)	

4-4. MECHANISM BLOCK (CDM11H-6C)



Ref. No.	Part No.	Description	Remark
151	* 1-632-975-11	L. MOTOR BOARD	
152	* 1-632-974-11	SWITCH BOARD	
153	* 4-927-642-01	TABLE (EXL), DISK	
154	A-4665-024-A	MAGNET ASSY	
155	* 4-927-638-03	HOLDER (A, P)	
156	* 4-927-670-01	CUSHION (MD)	
157	* 4-918-679-04	PULLEY, PRESS	
158	* 4-927-648-01	SLIDER (GROUND)	
159	4-927-620-01	GEAR (P)	
160	4-927-628-01	GEAR (C)	
161	4-927-654-01	WASHER (LIMITER)	
162	X-4927-608-1	ARM ASSY, SWING	
163	4-929-724-01	PULLEY (B)	
164	4-927-649-01	BELT	
165	4-927-617-01	BAR, GUIDE	
166	* 4-917-583-21	BRACKET, YOKE	
167	3-659-338-00	SPRING, COMPRESSION	
168	4-927-627-01	ROLLER (S, G)	
169	4-927-624-01	CAM (L, A)	
170	4-927-665-01	SHAFT (S)	
171	4-927-635-01	CAM (L, B)	
172	3-831-441-XX	CUSHION	
M001	A-4604-347-A	MOTOR (L) ASSY (LOADING)	

4-5. BASE UNIT (BU-6C)



Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Note:
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark
201	3-318-203-61	SCREW (B1.7X4), TAPPING	
202	* 4-910-431-01	SHAFT, SLIDE	
203	* 4-917-582-01	CUSHION, SLIDE	
204	⚠ 8-848-209-11	DEVICE, OPTICAL KSS-271A	
205	4-927-318-01	WASHER	
206	* 1-632-973-11	TRANSLATION BOARD	
207	A-4608-335-A	MOTOR ASSY, LINEAR	
208	4-927-634-01	HOLDER (SP)	
209	* 4-917-584-11	INSULATOR	
210	4-927-669-01	WASHER (BU)	
211	3-305-423-00	SPRING, COMPRESSION	
212	4-917-572-01	SPRING (B)	
213	4-917-571-01	SPRING (A)	
214	4-917-573-01	SPRING (E)	
215	A-4638-084-A	SENSOR ASSY, SPEED	
216	* 4-927-637-01	HOLDER (BU-6)	
217	4-927-631-01	ROLLER (L)	
218	4-927-626-01	LEVER (L)	
219	4-922-694-01	CUSHION	
M002	X-4927-605-3	BASE ASSY, MECHANICAL (SPINDLE MOTOR)	

SECTION 5
ELECTRICAL PARTS LIST

AC AUDIO

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- -XX, -X mean standardized parts, so they may have some differences from the original one.
- CAPACITORS
  uF: μF
- RESISTORS
  All resistors are in ohms
  METAL: Metal-film resistor
  METAL OXIDE: Metal Oxide-film resistor
  F: nonflammable
- COILS
  uH: μH
- SEMICONDUCTORS
  In each case, u: μ, for example:
  uA...: μA..., uPA...: μPA...,
  uPB...: μPB..., uPC...: μPC...,
  uPD...: μPD....

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

When indicating parts by reference number, please include the board name.

Ref. No.	Part No.	Description			Remark
	* 1-637-416-11	AC BOARD			
		********			
	1-533-183-11	HOLDER, FUSE			
	* 1-535-771-11	TERMINAL			
		< CAPACITOR >			
C991	⚠ 1-162-599-12	CERAMIC	0.0047uF		400V
C993	⚠ 1-161-744-00	CERAMIC	0.01uF		400V
		< CONNECTOR >			
CN992	* 1-535-140-00	BASE POST 22MM (10MM PITCH) 3P			
CN993	1-535-139-00	BASE POST 22MM (10MM PITCH) 2P			
		**********			
	* A-4617-944-A	AUDIO BOARD, COMPLETE			
		**********			
	7-682-147-15	SCREW, TR			
	* 4-363-146-00	HEAT SINK, V.OUT			
		< CAPACITOR >			
C207	1-162-306-11	CERAMIC	0.01uF	20%	16V
C208	1-136-165-00	FILM	0.1uF	5%	50V
C209	1-124-604-00	ELECT	330uF	20%	10V
C211	1-136-165-00	FILM	0.1uF	5%	50V
C221	1-162-294-31	CERAMIC	0.001uF	10%	50V
C401	1-130-495-00	MYLAR	0.1uF	5%	50V
C402	1-130-495-00	MYLAR	0.1uF	5%	50V
C403	1-124-994-11	ELECT	100uF	20%	10V
C404	1-130-495-00	MYLAR	0.1uF	5%	50V
C405	1-136-810-11	FILM	220PF	5%	100V
C406	1-136-810-11	FILM	220PF	5%	100V
C407	1-136-810-11	FILM	220PF	5%	100V
C410	1-136-228-11	FILM	0.0012uF	2%	100V
C411	1-136-233-11	FILM	0.0047uF	2%	100V
C414	1-124-572-11	ELECT	100uF	20%	63V
C415	1-136-580-11	FILM	0.47uF	10%	200V
C416	1-162-806-11	CERAMIC	0.1uF	10%	50V
C417	1-124-122-11	ELECT	100uF	20%	50V
C418	1-124-920-11	ELECT	330uF	20%	63V
C419	1-124-910-11	ELECT	47uF	20%	50V
C421	1-124-122-11	ELECT	100uF	20%	50V
C422	1-136-165-00	FILM	0.1uF	5%	50V
C423	1-130-495-00	MYLAR	0.1uF	5%	50V
C424	1-162-199-31	CERAMIC	10PF	5%	50V
C425	1-162-199-31	CERAMIC	10PF	5%	50V
C427	1-136-808-11	FILM	100PF	5%	100V
C428	1-136-808-11	FILM	100PF	5%	100V
C429	1-130-487-00	MYLAR	0.022uF	5%	50V
C430	1-126-052-11	ELECT	100uF	20%	50V
C431	1-136-580-11	FILM	0.47uF	10%	200V
C432	1-124-922-11	ELECT	1000uF	20%	63V
C437	1-136-165-00	FILM	0.1uF	5%	50V
C440	1-130-487-00	MYLAR	0.022uF	5%	50V
C441	1-130-495-00	MYLAR	0.1uF	5%	50V
C442	1-130-495-00	MYLAR	0.1uF	5%	50V
C443	1-124-994-11	ELECT	100uF	20%	10V
C444	1-130-495-00	MYLAR	0.1uF	5%	50V
C445	1-136-810-11	FILM	220PF	5%	100V
C446	1-130-487-00	MYLAR	0.022uF	5%	50V
C447	1-126-049-11	ELECT	22uF	20%	25V
C448	1-126-059-11	ELECT	10uF	20%	50V
C449	1-124-122-11	ELECT	100uF	20%	50V
C450	1-130-495-00	MYLAR	0.1uF	5%	50V
C451	1-123-343-00	ELECT	33uF	20%	35V
C452	1-126-335-11	ELECT	220uF	20%	10V

AUDIO

Ref. No.	Part No.	Description			Remark
C453	1-162-290-31	CERAMIC	470PF	10%	50V
C471	1-130-495-00	MYLAR	0.1uF	5%	50V
C481	1-126-335-11	ELECT	220uF	20%	10V
C482	1-136-165-00	FILM	0.1uF	5%	50V
C483	1-124-994-11	ELECT	100uF	20%	10V
C484	1-124-994-11	ELECT	100uF	20%	10V
C490	1-126-012-11	ELECT	470uF	20%	16V
C501	1-130-495-00	MYLAR	0.1uF	5%	50V
C502	1-130-495-00	MYLAR	0.1uF	5%	50V
C503	1-124-994-11	ELECT	100uF	20%	10V
C504	1-130-495-00	MYLAR	0.1uF	5%	50V
C505	1-136-810-11	FILM	220PF	5%	100V
C506	1-136-810-11	FILM	220PF	5%	100V
C507	1-136-810-11	FILM	220PF	5%	100V
C508	1-162-806-11	CERAMIC	0.1uF	10%	50V
C509	1-162-806-11	CERAMIC	0.1uF	10%	50V
C510	1-136-228-11	FILM	0.0012uF	2%	100V
C511	1-136-233-11	FILM	0.0047uF	2%	100V
C514	1-124-572-11	ELECT	100uF	20%	63V
C515	1-136-580-11	FILM	0.47uF	10%	200V
C525	1-136-808-11	FILM	100PF	5%	100V
C526	1-136-808-11	FILM	100PF	5%	100V
C531	1-136-580-11	FILM	0.47uF	10%	200V
C532	1-124-922-11	ELECT	1000uF	20%	63V
C541	1-130-495-00	MYLAR	0.1uF	5%	50V
C542	1-130-495-00	MYLAR	0.1uF	5%	50V
C543	1-124-994-11	ELECT	100uF	20%	10V
C545	1-136-810-11	FILM	220PF	5%	100V
C546	1-124-994-11	ELECT	100uF	20%	10V
C547	1-124-122-11	ELECT	100uF	20%	50V
C548	1-162-806-11	CERAMIC	0.1uF	10%	50V
C551	1-123-343-00	ELECT	33uF	20%	35V
C552	1-126-335-11	ELECT	220uF	20%	10V
C553	1-162-290-31	CERAMIC	470PF	10%	50V
C554	1-130-495-00	MYLAR	0.1uF	5%	50V
C571	1-130-495-00	MYLAR	0.1uF	5%	50V
C581	1-124-994-11	ELECT	100uF	20%	10V
C582	1-126-335-11	ELECT	220uF	20%	10V
C583	1-136-165-00	FILM	0.1uF	5%	50V
C941	1-123-380-00	ELECT	1uF	20%	50V
C942	1-126-059-11	ELECT	10uF	20%	50V

< CONNECTOR >

CN203	* 1-564-710-11	PIN, CONNECTOR (SMALL TYPE) 8P	
CN204	* 1-564-708-11	PIN, CONNECTOR (SMALL TYPE) 6P	
CN401	* 1-564-505-11	PLUG, CONNECTOR 2P	
CN402	* 1-564-505-11	PLUG, CONNECTOR 2P	
CN403	* 1-564-506-11	PLUG, CONNECTOR 3P	
CN450	* 1-564-506-11	PLUG, CONNECTOR 3P	
CN451	* 1-564-507-11	PLUG, CONNECTOR 4P	
CN452	* 1-535-117-00	TERMINAL, 4P	
CN501	* 1-564-505-11	PLUG, CONNECTOR 2P	
CN502	* 1-564-505-11	PLUG, CONNECTOR 2P	
CN503	* 1-564-506-11	PLUG, CONNECTOR 3P	
CN931	* 1-564-505-11	PLUG, CONNECTOR 2P	

< DIODE >

D401	8-719-200-31	DIODE	21DQ05
D403	8-719-114-27	DIODE	RD4.7JS-B3
D404	8-719-114-27	DIODE	RD4.7JS-B3
D405	8-719-114-30	DIODE	RD5.1JS-B2
D406	8-719-114-27	DIODE	RD4.7JS-B3
D421	8-719-107-94	DIODE	1SS202-1
D471	8-719-107-94	DIODE	1SS202-1
D472	8-719-933-47	DIODE	HZS7B2L
D501	8-719-107-94	DIODE	1SS202-1
D521	8-719-107-94	DIODE	1SS202-1
D571	8-719-107-94	DIODE	1SS202-1
D572	8-719-933-47	DIODE	HZS7B2L
D941	8-719-109-81	DIODE	RD4.7ES-B2

< IC >

IC202	8-752-328-61	IC	CXD1244S
IC401	8-752-335-52	IC	CXD2552Q-2
IC402	8-759-917-18	IC	SN74HCU04AN
IC403	8-759-917-18	IC	SN74HCU04AN
IC404	8-752-339-86	IC	CXD2557M
IC406	8-759-900-72	IC	NE5532P
IC407	8-759-900-72	IC	NE5532P
IC452	8-759-604-51	IC	M5F7912L
IC501	8-752-335-52	IC	CXD2552Q-2
IC506	8-759-900-72	IC	NE5532P
IC507	8-759-900-72	IC	NE5532P
IC551	8-759-981-85	IC	RC4556D
IC552	8-759-604-33	IC	M5F7812L

< COIL >

L401	1-410-509-11	INDUCTOR	10uH
L404	1-410-521-11	INDUCTOR	100uH
L405	1-410-397-21	FERRITE BEAD INDUCTOR	

Ref. No.	Part No.	Description			Remark
		< TRANSISTOR >			
Q401	8-729-201-05	TRANSISTOR	2SC2878-B		
Q402	8-729-216-13	TRANSISTOR	2SK161-GR		
Q403	8-729-620-23	TRANSISTOR	2SC3246-JK		
Q404	8-729-809-29	TRANSISTOR	2SC4159-E		
Q451	8-729-107-85	TRANSISTOR	2SC3622A-K		
Q472	8-729-900-61	TRANSISTOR	DTA114ES		
Q501	8-729-201-05	TRANSISTOR	2SC2878-B		
Q551	8-729-107-85	TRANSISTOR	2SC3622A-K		
Q572	8-729-900-61	TRANSISTOR	DTA114ES		
Q931	8-729-900-89	TRANSISTOR	DTC144ES		
Q932	8-729-900-89	TRANSISTOR	DTC144ES		
Q933	8-729-142-36	TRANSISTOR	BN1L3Z		
Q941	8-729-900-61	TRANSISTOR	DTA114ES		
		< RESISTOR >			
R212	1-249-417-11	CARBON	1K	5% 1/4W	
R213	1-249-413-11	CARBON	470	5% 1/4W	
R214	1-249-413-11	CARBON	470	5% 1/4W	
R215	1-249-413-11	CARBON	470	5% 1/4W	
R216	1-249-413-11	CARBON	470	5% 1/4W	
R217	1-249-417-11	CARBON	1K	5% 1/4W	
R401	1-249-946-11	CARBON	9.1K	1% 1/4W	
R402	1-249-946-11	CARBON	9.1K	1% 1/4W	
R403	1-247-721-11	CARBON	4.7K	5% 1/4W	
R404	1-247-721-11	CARBON	4.7K	5% 1/4W	
R405	1-247-721-11	CARBON	4.7K	5% 1/4W	
R406	1-247-721-11	CARBON	4.7K	5% 1/4W	
R407	1-249-949-11	CARBON	12K	1% 1/4W	
R408	1-249-949-11	CARBON	12K	1% 1/4W	
R409	1-247-700-11	CARBON	100	5% 1/4W	
R410	1-249-941-11	CARBON	5.6K	1% 1/4W	
R411	1-249-941-11	CARBON	5.6K	1% 1/4W	
R412	1-249-941-11	CARBON	5.6K	1% 1/4W	
R413	1-249-941-11	CARBON	5.6K	1% 1/4W	
R414	1-247-715-11	CARBON	1.5K	5% 1/4W	
R416	1-247-715-11	CARBON	1.5K	5% 1/4W	
R417	1-247-700-11	CARBON	100	5% 1/4W	
R418	1-247-891-00	CARBON	330K	5% 1/4W	
R419	1-249-512-11	CARBON	22	5% 1/4W	
R420	1-249-442-11	CARBON	510	5% 1/4W	
R422	1-249-413-11	CARBON	470	5% 1/4W	
R423	1-249-429-11	CARBON	10K	5% 1/4W	
R430	1-247-713-11	CARBON	1K	5% 1/4W	
R441	1-249-946-11	CARBON	9.1K	1% 1/4W	
R442	1-249-946-11	CARBON	9.1K	1% 1/4W	

Ref. No.	Part No.	Description			Remark
R449	1-249-423-11	CARBON	3.3K	5% 1/4W	
R451	1-247-700-11	CARBON	100	5% 1/4W	
R452	1-249-441-11	CARBON	100K	5% 1/4W	
R453	1-249-434-11	CARBON	27K	5% 1/4W	
R454	1-249-405-11	CARBON	100	5% 1/4W	
R455	1-249-421-11	CARBON	2.2K	5% 1/4W	
R456	1-249-434-11	CARBON	27K	5% 1/4W	
R460	1-247-903-00	CARBON	1M	5% 1/4W	
R461	1-249-413-11	CARBON	470	5% 1/4W	
R472	1-249-439-11	CARBON	68K	5% 1/4W	
R473	1-249-435-11	CARBON	33K	5% 1/4W	
R474	1-249-432-11	CARBON	18K	5% 1/4W	
R501	1-249-946-11	CARBON	9.1K	1% 1/4W	
R502	1-249-946-11	CARBON	9.1K	1% 1/4W	
R503	1-247-721-11	CARBON	4.7K	5% 1/4W	
R504	1-247-721-11	CARBON	4.7K	5% 1/4W	
R505	1-247-721-11	CARBON	4.7K	5% 1/4W	
R506	1-247-721-11	CARBON	4.7K	5% 1/4W	
R507	1-249-949-11	CARBON	12K	1% 1/4W	
R508	1-249-949-11	CARBON	12K	1% 1/4W	
R509	1-247-700-11	CARBON	100	5% 1/4W	
R510	1-249-941-11	CARBON	5.6K	1% 1/4W	
R511	1-249-941-11	CARBON	5.6K	1% 1/4W	
R512	1-249-941-11	CARBON	5.6K	1% 1/4W	
R513	1-249-941-11	CARBON	5.6K	1% 1/4W	
R514	1-247-715-11	CARBON	1.5K	5% 1/4W	
R516	1-247-715-11	CARBON	1.5K	5% 1/4W	
R517	1-247-700-11	CARBON	100	5% 1/4W	
R518	1-247-891-00	CARBON	330K	5% 1/4W	
R519	1-249-512-11	CARBON	22	5% 1/4W	
R520	1-249-429-11	CARBON	10K	5% 1/4W	
R527	1-249-429-11	CARBON	10K	5% 1/4W	
R541	1-249-946-11	CARBON	9.1K	1% 1/4W	
R542	1-249-946-11	CARBON	9.1K	1% 1/4W	
R551	1-247-700-11	CARBON	100	5% 1/4W	
R552	1-249-441-11	CARBON	100K	5% 1/4W	
R553	1-249-434-11	CARBON	27K	5% 1/4W	
R554	1-249-405-11	CARBON	100	5% 1/4W	
R555	1-249-421-11	CARBON	2.2K	5% 1/4W	
R556	1-249-434-11	CARBON	27K	5% 1/4W	
R572	1-249-439-11	CARBON	68K	5% 1/4W	
R573	1-249-435-11	CARBON	33K	5% 1/4W	
R574	1-249-432-11	CARBON	18K	5% 1/4W	
R931	1-249-441-11	CARBON	100K	5% 1/4W	
R941	1-249-441-11	CARBON	100K	5% 1/4W	
R942	1-249-429-11	CARBON	10K	5% 1/4W	
R943	1-249-417-11	CARBON	1K	5% 1/4W	

AUDIO DISPLAY FUNCTION TIMER

Ref. No.	Part No.	Description	Remark
		< CRYSTAL >	
X401	1-577-686-11	VIBRATOR, CRYSTAL 45MHz	
X402	1-577-685-11	FILTER, CRYSTAL 16MHz	
**********			
*	1-637-410-11	DISPLAY BOARD	
		**********	
*	1-637-419-11	FUNCTION BOARD	
		**********	
*	1-637-411-11	TIMER BOARD	
		**********	
*	4-923-532-21	SPACER, LED	
*	4-928-052-01	HOLDER (RIGHT)	
*	4-928-053-01	HOLDER (LEFT)	
		< CAPACITOR >	
C802	1-164-159-11	CERAMIC 0.1uF	50V
C803	1-164-159-11	CERAMIC 0.1uF	50V
		< CONNECTOR >	
CN801	* 1-564-341-11	PIN, CONNECTOR 7P	
CN802	* 1-506-503-11	PIN, CONNECTOR 9P	
CN803	* 1-564-340-00	PIN, CONNECTOR 6P	
		< DIODE >	
D701	8-719-970-07	DIODE MPG3371X-150	
D702	8-719-971-52	DIODE MAY3371X-M-177	
D703	8-719-971-50	DIODE MBG3371X-177	
D704	8-719-971-52	DIODE MAY3371X-M-177	
D705	8-719-987-97	DIODE BR3371X	
D706	8-719-970-98	DIODE MPY3371X-177	
D801	8-719-107-94	DIODE 1SS202-1	
D802	8-719-107-94	DIODE 1SS202-1	
D803	8-719-107-94	DIODE 1SS202-1	
D804	8-719-107-94	DIODE 1SS202-1	
D805	8-719-107-94	DIODE 1SS202-1	
D806	8-719-107-94	DIODE 1SS202-1	
D807	8-719-107-94	DIODE 1SS202-1	
		< FLUORESCENT INDICATOR TUBE >	
FLD801	1-519-622-11	INDICATOR TUBE, FLUORESCENT	
		< IC >	
IC801	8-759-505-50	IC MSC62408-015GS-V1K	
IC802	8-741-100-48	IC SBX1610-59	

Ref. No.	Part No.	Description			Remark
		< TRANSISTOR >			
Q701	8-729-900-80	TRANSISTOR DTC114ES			
Q702	8-729-900-80	TRANSISTOR DTC114ES			
Q703	8-729-900-80	TRANSISTOR DTC114ES			
Q704	8-729-900-80	TRANSISTOR DTC114ES			
Q705	8-729-900-80	TRANSISTOR DTC114ES			
Q706	8-729-900-80	TRANSISTOR DTC114ES			
Q801	8-729-900-45	TRANSISTOR DTC114EF			
Q802	8-729-900-45	TRANSISTOR DTC114EF			
		< RESISTOR >			
R701	1-249-406-11	CARBON	120	5% 1/4W	
R702	1-249-406-11	CARBON	120	5% 1/4W	
R703	1-249-406-11	CARBON	120	5% 1/4W	
R704	1-249-406-11	CARBON	120	5% 1/4W	
R705	1-249-415-11	CARBON	680	5% 1/4W	
R706	1-249-409-11	CARBON	220	5% 1/4W	
R801	1-249-425-11	CARBON	4.7K	5% 1/4W	
R802	1-249-429-11	CARBON	10K	5% 1/4W	
R803	1-247-903-00	CARBON	1M	5% 1/4W	
R806	1-249-441-11	CARBON	100K	5% 1/4W	
R809	1-249-441-11	CARBON	100K	5% 1/4W	
		< SWITCH >			
S701	1-554-937-11	SWITCH, KEY BOARD (CONTINUE)			
S702	1-554-937-11	SWITCH, KEY BOARD (SHUFFLE)			
S703	1-554-937-11	SWITCH, KEY BOARD (PROGRAM)			
S704	1-554-937-11	SWITCH, KEY BOARD (C. INDEX)			
S705	1-554-937-11	SWITCH, KEY BOARD (⏮)			
S706	1-554-937-11	SWITCH, KEY BOARD (⏸)			
S707	1-554-937-11	SWITCH, KEY BOARD (▶)			
S708	1-554-937-11	SWITCH, KEY BOARD (EDIT/TIME FADE)			
S709	1-554-937-11	SWITCH, KEY BOARD (FADER)			
S710	1-554-937-11	SWITCH, KEY BOARD (P. SEARCH)			
S711	1-554-937-11	SWITCH, KEY BOARD (⏭)			
S712	1-554-937-11	SWITCH, KEY BOARD (■)			
S713	1-554-937-11	SWITCH, KEY BOARD (REPEAT)			
S714	1-554-937-11	SWITCH, KEY BOARD (1)			
S715	1-554-937-11	SWITCH, KEY BOARD (6)			
S716	1-554-937-11	SWITCH, KEY BOARD (11)			
S717	1-554-937-11	SWITCH, KEY BOARD (16)			
S718	1-554-937-11	SWITCH, KEY BOARD (◀◀)			
S719	1-554-937-11	SWITCH, KEY BOARD (FILE)			
S720	1-554-937-11	SWITCH, KEY BOARD (TIME/MEMO)			
S721	1-554-937-11	SWITCH, KEY BOARD (2)			
S722	1-554-937-11	SWITCH, KEY BOARD (7)			
S723	1-554-937-11	SWITCH, KEY BOARD (12)			
S724	1-554-937-11	SWITCH, KEY BOARD (17)			
S725	1-554-937-11	SWITCH, KEY BOARD (▶▶)			

DISPLAY **FUNCTION** **TIMER** **HP** **L. MOTOR** **LINE OUT** **M. VR** **OPT**

Ref. No.	Part No.	Description	Remark
S726	1-554-937-11	SWITCH, KEY BOARD (ERASE)	
S727	1-554-937-11	SWITCH, KEY BOARD (3)	
S728	1-554-937-11	SWITCH, KEY BOARD (8)	
S729	1-554-937-11	SWITCH, KEY BOARD (13)	
S730	1-554-937-11	SWITCH, KEY BOARD (18)	
S731	1-554-937-11	SWITCH, KEY BOARD (CLEAR)	
S732	1-554-937-11	SWITCH, KEY BOARD (FILE RECALL)	
S733	1-554-937-11	SWITCH, KEY BOARD (4)	
S734	1-554-937-11	SWITCH, KEY BOARD (9)	
S735	1-554-937-11	SWITCH, KEY BOARD (14)	
S736	1-554-937-11	SWITCH, KEY BOARD (19)	
S737	1-554-937-11	SWITCH, KEY BOARD (CHECK)	
S738	1-554-937-11	SWITCH, KEY BOARD (5)	
S739	1-554-937-11	SWITCH, KEY BOARD (10)	
S740	1-554-937-11	SWITCH, KEY BOARD (15)	
S741	1-554-937-11	SWITCH, KEY BOARD (20)	
S801	1-554-937-11	SWITCH, KEY BOARD (⏏OPEN/CLOSE)	
S802	1-554-937-11	SWITCH, KEY BOARD (LEVEL FILE)	
S803	1-554-937-11	SWITCH, KEY BOARD (DISPLAY MODE)	
S804	1-570-157-51	SWITCH, SLIDE (TIMER)	
		< CERAMIC >	
X801	1-577-359-21	VIBRATOR, CERAMIC (4.19MHz)	
		**********	
	* 1-637-413-11	HP BOARD	
		********	
		< CAPACITOR >	
C461	1-162-290-31	CERAMIC 470PF 10% 50V	
C561	1-162-290-31	CERAMIC 470PF 10% 50V	
		< JACK >	
J451	1-568-519-31	JACK, LARGE TYPE (PHONES)	
		**********	
	* 1-632-975-11	L. MOTOR BOARD	
		**********	
		< CAPACITOR >	
C001	1-136-157-00	FILM 0.022uF 5% 50V	

Ref. No.	Part No.	Description	Remark
	* 1-637-418-11	LINE OUT BOARD	
		**********	
		< DIODE >	
D491	8-719-107-94	DIODE 1SS202-1	
		< JACK >	
J401	1-568-101-11	JACK, PIN 4P (LINE OUT FIXED/VARIABLE)	
		< RESISTOR >	
R491	1-247-700-11	CARBON 100 5% 1/4W	
R591	1-247-700-11	CARBON 100 5% 1/4W	
		< RELAY >	
RY401	1-515-727-11	RELAY	
		**********	
	* 1-637-412-11	M. VR BOARD	
		**********	
		< VARIABLE RESISTOR >	
RV461	1-241-321-11	RES, VAR, CARBON 10KX3 (LINE OUT/PHONE LEVEL)	
		**********	
	* 1-637-417-11	OPT BOARD	
		**********	
		< CAPACITOR >	
C280	1-126-059-11	ELECT 10uF 20% 50V	
		< IC >	
IC204	8-749-921-12	IC GP1F32T (DIGITAL OUT OPTICAL)	

POWER SERVO

Ref. No.	Part No.	Description			Remark
	* A-4617-748-A	POWER BOARD, COMPLETE (AEP, UK)			
		**********			
	* A-4617-943-A	POWER BOARD, COMPLETE (Canadian)			
		**********			
		< BUS BAR >			
BUS901	* 1-569-135-11	BAR, BUS 4P			
		< CAPACITOR >			
C901	1-136-177-00	FILM	1uF	5% 50V	
C902	1-130-483-00	MYLAR	0.01uF	5% 50V	
C903	1-124-523-11	ELECT	4700uF	20% 16V (Canadian)	
C903	1-126-016-11	ELECT	4700uF	20% 16V (AEP, UK)	
C904	1-124-523-11	ELECT	4700uF	20% 16V (Canadian)	
C904	1-126-016-11	ELECT	4700uF	20% 16V (AEP, UK)	
C905	1-136-165-00	FILM	0.1uF	5% 50V	
C906	1-130-483-00	MYLAR	0.01uF	5% 50V	
C907	1-130-483-00	MYLAR	0.01uF	5% 50V	
C908	1-136-177-00	FILM	1uF	5% 50V	
C909	1-130-483-00	MYLAR	0.01uF	5% 50V	
C910	1-126-982-11	ELECT	5600uF	20% 35V	
C911	1-126-982-11	ELECT	5600uF	20% 35V	
C912	1-126-233-11	ELECT	22uF	20% 50V	
C913	1-124-572-11	ELECT	100uF	20% 63V	
C914	1-124-572-11	ELECT	100uF	20% 63V	
C915	1-124-910-11	ELECT	47uF	20% 50V	
C916	1-130-495-00	MYLAR	0.1uF	5% 50V	
C917	1-130-483-00	MYLAR	0.01uF	5% 50V	
C918	1-130-483-00	MYLAR	0.01uF	5% 50V	
		< CONNECTOR >			
CN901	* 1-535-123-00	TERMINAL (WITH BASE) 10P			
		< DIODE >			
D901	8-719-937-49	DIODE	RDF02M		
D902	8-719-200-89	DIODE	31DF2-FA		
D903	8-719-200-89	DIODE	31DF2-FA		
D904	8-719-200-89	DIODE	31DF2-FA		
D905	8-719-200-89	DIODE	31DF2-FA		
D911	8-719-200-82	DIODE	11ES2		
D914	8-719-913-62	DIODE	HZ36-2L		
D915	8-719-933-48	DIODE	HZS7B3L		
D922	8-719-107-94	DIODE	1SS202-1		
D923	8-719-107-94	DIODE	1SS202-1		
		< COIL >			
L914	1-410-521-11	INDUCTOR	100uH		

Ref. No.	Part No.	Description			Remark
		< TRANSISTOR >			
Q911	8-729-140-96	TRANSISTOR	2SD774-34		
		< RESISTOR >			
R901	⚠ 1-212-871-11	FUSIBLE	39	5% 1/4W F	
R902	⚠ 1-212-877-11	FUSIBLE	68	5% 1/4W F	
R911	1-249-425-11	CARBON	4.7K	5% 1/4W	
R912	1-249-429-11	CARBON	10K	5% 1/4W	
R913	1-249-433-11	CARBON	22K	5% 1/4W	
		< THERMISTOR >			
TH901	⚠ 1-808-065-11	THERMISTOR, POSITIVE			
TH902	⚠ 1-808-065-11	THERMISTOR, POSITIVE			
TH903	⚠ 1-806-882-11	THERMISTOR (POSITIVE) 2.2			
		**********			
	* A-4617-601-A	SERVO BOARD, COMPLETE			
		**********			
	7-682-147-15	SCREW, TR			
	* 4-363-146-00	HEAT SINK, V.OUT			
	* 4-922-525-01	HEAT SINK			
		< CAPACITOR >			
C101	1-130-480-00	MYLAR	0.0056uF	5% 50V	
C102	1-136-159-00	FILM	0.033uF	5% 50V	
C103	1-136-165-00	FILM	0.1uF	5% 50V	
C104	1-136-165-00	FILM	0.1uF	5% 50V	
C105	1-161-375-00	CERAMIC	0.0022uF	20% 50V	
C106	1-106-351-00	MYLAR	2200PF	5% 200V	
C107	1-136-153-00	FILM	0.01uF	5% 50V	
C108	1-136-153-00	FILM	0.01uF	5% 50V	
C109	1-136-165-00	FILM	0.1uF	5% 50V	
C110	1-136-161-00	FILM	0.047uF	5% 50V	
C111	1-126-059-11	ELECT	10uF	20% 50V	
C112	1-136-165-00	FILM	0.1uF	5% 50V	
C113	1-126-162-11	ELECT	3.3uF	20% 50V	
C114	1-126-049-11	ELECT	22uF	20% 25V	
C115	1-136-153-00	FILM	0.01uF	5% 50V	
C116	1-136-159-00	FILM	0.033uF	5% 50V	
C118	1-124-442-00	ELECT	330uF	20% 6.3V	
C119	1-124-442-00	ELECT	330uF	20% 6.3V	
C121	1-136-153-00	FILM	0.01uF	5% 50V	
C122	1-126-300-11	ELECT	0.47uF	20% 50V	
C123	1-130-472-00	MYLAR	0.0012uF	5% 50V	
C124	1-106-359-00	MYLAR	4700PF	5% 200V	
C125	1-164-159-11	CERAMIC	0.1uF	50V	
C127	1-164-159-11	CERAMIC	0.1uF	50V	

Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Note:
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description			Remark
C129	1-136-161-00	FILM	0.047uF	5%	50V
C130	1-136-155-00	FILM	0.015uF	5%	50V
C131	1-164-159-11	CERAMIC	0.1uF		50V
C132	1-130-477-00	MYLAR	0.0033uF	5%	50V
C133	1-164-159-11	CERAMIC	0.1uF		50V
C134	1-162-294-31	CERAMIC	0.001uF	10%	50V
C135	1-162-294-31	CERAMIC	0.001uF	10%	50V
C136	1-164-159-11	CERAMIC	0.1uF		50V
C137	1-124-478-11	ELECT	100uF	20%	25V
C138	1-124-478-11	ELECT	100uF	20%	25V
C139	1-124-478-11	ELECT	100uF	20%	25V
C140	1-124-478-11	ELECT	100uF	20%	25V
C141	1-124-442-00	ELECT	330uF	20%	6.3V
C142	1-124-442-00	ELECT	330uF	20%	6.3V
C143	1-164-159-11	CERAMIC	0.1uF		50V
C144	1-164-159-11	CERAMIC	0.1uF		50V
C145	1-124-478-11	ELECT	100uF	20%	25V
C146	1-124-478-11	ELECT	100uF	20%	25V
C150	1-164-159-11	CERAMIC	0.1uF		50V
C153	1-164-159-11	CERAMIC	0.1uF		50V
C154	1-124-442-00	ELECT	330uF	20%	6.3V
C155	1-161-494-00	CERAMIC	0.022uF		25V
C156	1-161-494-00	CERAMIC	0.022uF		25V
C157	1-164-159-11	CERAMIC	0.1uF		50V
C170	1-161-494-00	CERAMIC	0.022uF		25V
C171	1-161-494-00	CERAMIC	0.022uF		25V
C173	1-161-494-00	CERAMIC	0.022uF		25V
C174	1-161-494-00	CERAMIC	0.022uF		25V
C201	1-106-347-00	MYLAR	1500PF	5%	200V
C202	1-136-161-00	FILM	0.047uF	5%	50V
C203	1-136-155-00	FILM	0.015uF	5%	50V
C205	1-124-442-00	ELECT	330uF	20%	6.3V
C206	1-164-159-11	CERAMIC	0.1uF		50V
C301	1-124-442-00	ELECT	330uF	20%	6.3V
C302	1-164-159-11	CERAMIC	0.1uF		50V
C303	1-136-165-00	FILM	0.1uF	5%	50V
C304	1-164-159-11	CERAMIC	0.1uF		50V
C305	1-124-768-11	ELECT	4.7uF	20%	50V
C310	1-164-159-11	CERAMIC	0.1uF		50V
C331	1-164-159-11	CERAMIC	0.1uF		50V
C919	1-126-012-11	ELECT	470uF	20%	16V
C920	1-126-012-11	ELECT	470uF	20%	16V
C921	1-124-556-11	ELECT	2200uF	20%	16V
C922	1-126-012-11	ELECT	470uF	20%	16V
C923	1-126-161-11	ELECT	2.2uF	20%	50V
C924	1-126-161-11	ELECT	2.2uF	20%	50V
C925	1-136-165-00	FILM	0.1uF	5%	50V
C927	1-126-012-11	ELECT	470uF	20%	16V

Ref. No.	Part No.	Description			Remark
C929	1-124-122-11	ELECT	100uF	20%	50V
C990	1-125-622-11	DOUBLE LAYERS	0.1F		5.5V

< CONNECTOR >

CN101	* 1-506-503-11	PIN, CONNECTOR 9P	
CN102	* 1-564-338-00	PIN, CONNECTOR 4P	
CN103	* 1-564-340-00	PIN, CONNECTOR 6P	
CN104	* 1-564-339-00	PIN, CONNECTOR 5P	
CN201	* 1-564-705-11	PIN, CONNECTOR (SMALL TYPE)	3P
CN202	* 1-564-710-11	PIN, CONNECTOR (SMALL TYPE)	8P
CN301	* 1-564-342-11	PIN, CONNECTOR 8P	
CN302	* 1-564-340-00	PIN, CONNECTOR 6P	
CN303	* 1-564-708-11	PIN, CONNECTOR (SMALL TYPE)	6P
CN906	* 1-564-507-11	PLUG, CONNECTOR 4P	
CN907	* 1-564-341-11	PIN, CONNECTOR 7P	
CN908	* 1-564-506-11	PLUG, CONNECTOR 3P	

< DIODE >

D906	8-719-107-94	DIODE	1SS202-1
D907	8-719-107-94	DIODE	1SS202-1

< IC >

IC101	8-752-050-82	IC	CXA1372Q
IC102	8-759-823-11	IC	LA6523
IC103	8-759-823-11	IC	LA6523
IC104	8-759-823-11	IC	LA6523
IC201	8-752-337-26	IC	CXD2500AQ
IC301	8-759-635-51	IC	M37450M8-376FP
IC302	8-759-822-78	IC	LC3564PML-1015
IC303	8-759-962-08	IC	BA6208
IC901	8-759-231-53	IC	TA7805S
IC902	8-759-604-47	IC	M5F7905L
IC903	8-759-917-18	IC	SN74HCU04AN

< TRANSISTOR >

Q101	8-729-900-89	TRANSISTOR	DTC144ES
Q301	8-729-900-80	TRANSISTOR	DTC114ES

< RESISTOR >

R101	1-249-429-11	CARBON	10K	5%	1/4W
R102	1-247-887-00	CARBON	220K	5%	1/4W
R103	1-249-429-11	CARBON	10K	5%	1/4W
R104	1-247-882-11	CARBON	130K	5%	1/4W
R105	1-249-440-11	CARBON	82K	5%	1/4W
R106	1-249-440-11	CARBON	82K	5%	1/4W
R107	1-249-431-11	CARBON	15K	5%	1/4W
R108	1-249-429-11	CARBON	10K	5%	1/4W
R109	1-247-896-11	CARBON	510K	5%	1/4W

SERVO SWITCH

Ref. No.	Part No.	Description			Remark
R110	1-247-886-11	CARBON	200K	5%	1/4W
R112	1-249-429-11	CARBON	10K	5%	1/4W
R113	1-249-441-11	CARBON	100K	5%	1/4W
R114	1-247-854-11	CARBON	9.1K	5%	1/4W
R115	1-247-854-11	CARBON	9.1K	5%	1/4W
R116	1-249-393-11	CARBON	10	5%	1/4W
R118	1-249-393-11	CARBON	10	5%	1/4W
R120	1-247-899-11	CARBON	680K	5%	1/4W
R121	1-249-441-11	CARBON	100K	5%	1/4W
R123	1-247-883-00	CARBON	150K	5%	1/4W
R124	1-249-438-11	CARBON	56K	5%	1/4W
R125	1-247-876-11	CARBON	75K	5%	1/4W
R126	1-249-433-11	CARBON	22K	5%	1/4W
R127	1-249-393-11	CARBON	10	5%	1/4W
R128	1-249-441-11	CARBON	100K	5%	1/4W
R129	1-249-441-11	CARBON	100K	5%	1/4W
R130	1-249-441-11	CARBON	100K	5%	1/4W
R131	1-249-441-11	CARBON	100K	5%	1/4W
R132	1-249-393-11	CARBON	10	5%	1/4W
R140	1-249-429-11	CARBON	10K	5%	1/4W
R141	1-249-429-11	CARBON	10K	5%	1/4W
R142	1-249-429-11	CARBON	10K	5%	1/4W
R143	1-249-393-11	CARBON	10	5%	1/4W
R144	1-249-429-11	CARBON	10K	5%	1/4W
R145	1-249-429-11	CARBON	10K	5%	1/4W
R146	1-249-429-11	CARBON	10K	5%	1/4W
R147	1-249-393-11	CARBON	10	5%	1/4W
R148	1-249-429-11	CARBON	10K	5%	1/4W
R149	1-249-393-11	CARBON	10	5%	1/4W
R150	1-249-417-11	CARBON	1K	5%	1/4W
R152	1-249-393-11	CARBON	10	5%	1/4W
R153	1-249-430-11	CARBON	12K	5%	1/4W
R154	1-249-429-11	CARBON	10K	5%	1/4W
R155	1-249-429-11	CARBON	10K	5%	1/4W
R156	1-249-393-11	CARBON	10	5%	1/4W
R170	⚠ 1-212-954-11	FUSIBLE	6.8	5%	1/2W F
R201	1-249-423-11	CARBON	3.3K	5%	1/4W
R202	1-249-423-11	CARBON	3.3K	5%	1/4W
R203	1-249-429-11	CARBON	10K	5%	1/4W
R204	1-249-429-11	CARBON	10K	5%	1/4W
R205	1-249-429-11	CARBON	10K	5%	1/4W
R206	1-249-435-11	CARBON	33K	5%	1/4W
R209	1-249-413-11	CARBON	470	5%	1/4W
R210	1-249-413-11	CARBON	470	5%	1/4W
R211	1-249-413-11	CARBON	470	5%	1/4W
R230	1-249-417-11	CARBON	1K	5%	1/4W
R231	1-249-413-11	CARBON	470	5%	1/4W
R301	1-247-903-00	CARBON	1M	5%	1/4W
R302	1-249-411-11	CARBON	330	5%	1/4W

Ref. No.	Part No.	Description			Remark
R303	1-249-429-11	CARBON	10K	5%	1/4W
R304	1-249-429-11	CARBON	10K	5%	1/4W
R305	1-249-429-11	CARBON	10K	5%	1/4W
R306	1-249-429-11	CARBON	10K	5%	1/4W
R308	1-249-429-11	CARBON	10K	5%	1/4W
R309	1-249-429-11	CARBON	10K	5%	1/4W
R310	1-249-429-11	CARBON	10K	5%	1/4W
R311	1-249-429-11	CARBON	10K	5%	1/4W
R312	1-249-429-11	CARBON	10K	5%	1/4W
R313	1-249-417-11	CARBON	1K	5%	1/4W
R314	1-249-429-11	CARBON	10K	5%	1/4W
R315	1-249-429-11	CARBON	10K	5%	1/4W
R316	1-249-417-11	CARBON	1K	5%	1/4W
R317	1-249-429-11	CARBON	10K	5%	1/4W
R318	1-249-411-11	CARBON	330	5%	1/4W
R319	1-249-429-11	CARBON	10K	5%	1/4W
R320	1-249-429-11	CARBON	10K	5%	1/4W
R321	1-249-429-11	CARBON	10K	5%	1/4W
R322	1-249-429-11	CARBON	10K	5%	1/4W
R324	1-249-429-11	CARBON	10K	5%	1/4W
R903	1-249-426-11	CARBON	5.6K	5%	1/4W
R905	1-247-887-00	CARBON	220K	5%	1/4W
R906	1-249-437-11	CARBON	47K	5%	1/4W
R907	1-247-891-00	CARBON	330K	5%	1/4W

< VARIABLE RESISTOR >

RV201	1-228-994-00	RES. ADJ. METAL 10K
RV202	1-228-994-00	RES. ADJ. METAL 10K

< CRYSTAL >

X301	1-577-377-11	VIBRATOR. CERAMIC 10MHz

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* 1-632-974-11 SWITCH BOARD

****

< RESISTOR >

R001	⚠ 1-215-880-00	METAL OXIDE	10	5%	2W	F
R002	⚠ 1-215-880-00	METAL OXIDE	10	5%	2W	F

< SWITCH >

S001	1-571-736-11	SWITCH. LEAF (IN SW)
S002	1-571-736-11	SWITCH. LEAF (OUT SW)

Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Note:
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

TRANSLATION

Ref.No.	Part No.	Description			Remark
*	1-632-973-11	TRANSLATION BOARD			
		**********			
		< CAPACITOR >			
C051	1-136-157-00	FILM	0.022uF	5%	50V
C052	1-164-159-11	CERAMIC	0.1uF		50V
C053	1-164-159-11	CERAMIC	0.1uF		50V
		< CONNECTOR >			
CN051	1-568-799-11	SOCKET, CONNECTOR 16P			

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Ref.No.	Part No.	Description	Remark
		MISCELLANEOUS	
		**********	
102	⚠ 1-557-577-11	CORD, POWER (Canadian)	
123	⚠ 1-555-795-00	CORD, POWER (AEP)	
124	⚠ 1-556-035-00	CORD, POWER (UK)	
204	⚠ 8-848-209-11	DEVICE, OPTICAL KSS-271A	
F991	⚠ 1-532-066-00	FUSE, TIME-LAG (T400mA) (AEP, UK)	
F991	⚠ 1-532-741-11	FUSE, GLASS TUBE (1.25A/125V) (Canadian)	
M001	A-4604-347-A	MOTOR (L) ASSY (LOADING)	
M002	X-4927-605-3	BASE ASSY, MECHANICAL (SPINDLE MOTOR)	
S991	⚠ 1-570-156-11	SWITCH, PUSH (AC POWER) (1 KEY) (POWER)	
T991	⚠ 1-450-039-21	TRANSFORMER, POWER (Canadian)	
T991	⚠ 1-450-523-11	TRANSFORMER, POWER (AEP, UK)	

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ACCESSORY & PACKING MATERIALS

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	1-465-593-11	COMMANDER, REMOTE (RM-D991)
	1-558-271-11	CORD, CONNECTION
	3-707-584-01	COVER, BATTERY
*	3-750-090-01	INSTRUCTION (Canadian)
*	3-795-629-11	INSTRUCTION (AEP)
	3-752-484-11	MANUAL, INSTRUCTION (ENGLISH, FRENCH, SPANISH, PORTUGUESE)
	3-752-484-41	MANUAL, INSTRUCTION (GERMAN, DUTCH, SWEDISH, ITALIAN) (AEP)
*	4-942-314-01	CUSHION (UPPER)
*	4-942-315-01	CUSHION (LOWER)
*	4-945-271-01	INDIVIDUAL CARTON

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HARDWARE LIST

# 1	7-621-996-24	BOLT 2.6X4, HEXAGON SOCKET
# 2	7-682-548-09	SCREW (3X8)
# 3	7-682-561-09	SCREW +B 4X8
# 4	7-685-134-19	SCREW +BTP 2.6X8 TYPE2 N-S
# 5	7-682-547-09	SCREW +B 3X6
# 6	7-682-549-09	SCREW +BVTT 3X10 (S)
# 7	7-682-547-04	SCREW +BVTT 3X6 (S)
# 8	7-682-560-04	SCREW +BVTT 4X6 (S)
# 9	7-682-147-15	SCREW, TR
#10	7-685-647-79	SCREW +P 3X10 TYPE2 SLIT
#11	7-621-770-67	SCREW +BVTT 2.6X6 (S)
#12	7-624-105-04	STOP RING 2.3, TYPE -E
#13	7-682-544-04	SCREW +P 3X3
#14	7-685-646-79	SCREW, TAPPING
#15	7-685-132-19	+ PTPWH (2.6X5)
#16	7-621-775-10	SCREW +BVTT 2.6X4 (S)

Note:
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Note:
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.